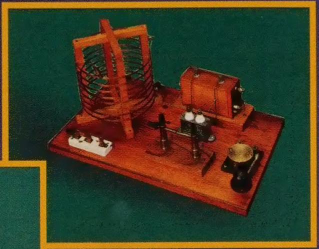

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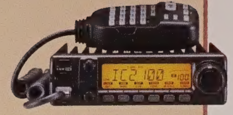
IC-2100H

IC-207H

IC-2800H

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IC-821H

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IC-756 HF/6M • 100W • All Mode • Full Duty Cycle • Quad Conversion Receiver • Dual Watch • IF-DSP • Front Panel Adjustable NR • Audio Peak Filter • Auto Notch Filter • 2 Optional Filter Positions • Twin Passband Tuning • 4.9" LCD/Dot Matrix Display Shows All Operating Conditions and Spectrum Scope • CW Memory Keyer • VOX • Auto Antenna Tuner • PC Controllable*

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IC-707

IC-746

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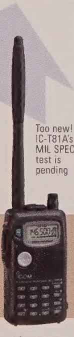
IC-T81A

IC-T8A

IC-W32A

IC-T7H

IC-Q7A

IC-T22A

IC-T2H

*Optional equipment required. **This device has not been approved by the FCC. This device may not be offered for sale or lease, or be sold or leased, until approval of the FCC has been obtained. †Reception guaranteed on ham bands only. ††MIL STD 810 C/D/E for shock/vibration. ©1999 ICOM America, Inc. 2380 116th Ave NE, Bellevue, WA 98004 • 425-454-8155. The ICOM logo is a registered trademark of ICOM, Inc. All specifications are subject to change without notice or obligation. Questions? Contact your authorized ICOM dealer, or contact ICOM America Tech Support on CompuServe's® HamNet forum at 75540,525, or send e-mail to <75540.525@compuserve.com>. CompuServe is a registered trademark of CompuServe, Inc. DAYTON399Y

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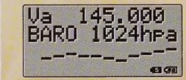

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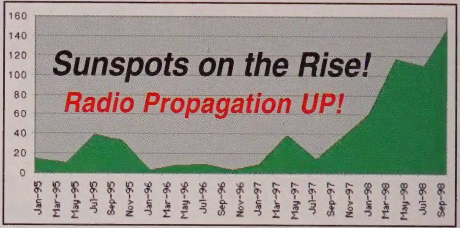

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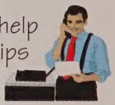

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Over 40 years of experience in HF transceiver design has firmly established Yaesu as the choice of the world's top DX'ers. The knowledge that produced unequaled RF technology and design that is found in the State of the Art FT-1000MP can also be found in the miniature FT-100. The FT-100 while small in size 6.3" × 2.1" × 8.1"(160 W × 54 H × 205 D mm :w/o knob) is large in features and performance. This is accomplished by using the most advanced manufacturing techniques and component mounting technology. High Dynamic range RF front-end technology and Advanced Digital technology such as DSP sets a new standard of receiver performance for miniature HF transceivers. The single piece die cast frame, dual cooling fan system and revolutionary RF high power design technique keeps the FT-100 running cool and smooth in the most adverse operating environments. (TX Power output=100W HF, 50W VHF/20W UHF) The TX Equalizer offers crisp, clear and clean TX audio reproduction that until now was only found in top of the line HF base stations. The optional ATAS-100 (active tuning antenna system) ushers in a new age of mobile and field day operation (from HF to UHF frequencies). Add the optional ATBK-100 base kit (Good for limited space, simple setup.) and you've got a base station that ranks among the best in the world.

Features

- Frequency coverage:
  RX : 100 kHz-961 MHz (cellular blocked)
  TX : 160-6 m/144-148 MHz/430-450 MHz
- Power output : 100 W (160-6 m), 50 W (144 MHz), 20 W (430 MHz)
- DSP Bandpass Filter, Notch Filter, Noise Reduction, and Equalizer
- IF Noise Blanker
- SSB, CW, AM, FM, AFSK, Packet (1200/9600 bps) operation
- Detachable Front Panel
- Two Antenna Jacks (HF/50 and 144/430)
- IF Shift
- VOX
- Dual VFOs
- Available IF bandwidths of 6 kHz, 2.4 kHz, 500 Hz, and 300 Hz (6 kHz, 500 Hz, 300 Hz filters optional)
- Built-in Electronic Memory Keyer
- Speech Processor
- Built-in CTCSS and DCS for FM operation
- Automatic Repeater Shift and Auto-Range Transponder System
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- 300 memory Channels
- Quick Memory Bank (QMB)
- Bright LCD with multi-function display
- Optional FC-20 External Antenna Tuner
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This popular two-meter FM transceiver with easy-to-use controls is great for beginners and anyone who wants a compact handheld to take anywhere.

HTX-200: 200mW on 2 x AA batt. or full 2W out with external 9VDC. Frequency Range: transmit, 144-148MHz (142-149.885MHz programmable). Receive, 138-174MHz. 30 Memory Channels and One Call Channel. All or Selected Memory Channel Scan. Signal Strength Meter. Selectable Frequency Steps: 5/10/12.5/15/25/50kHz/1MHz. CTCSS Encode/Decode. Beep or Melody Call Alert. Battery Indicator. Backlit Display. Programmable 8MHz offset for MARS, CAP. Key Lock. SMA Jack for external antenna.

The **HTX 400** has the same features as above with coverage of 430-450MHz TX and 420-470MHz RX.

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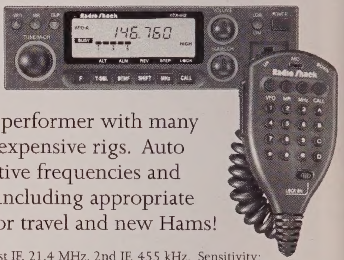
Feature-packed mobile.



This 45-watt 2-meter FM transceiver is a solid performer with many features found on more expensive rigs. Auto Memory Store locates active frequencies and holds them in memory, including appropriate repeater offsets—great for travel and new Hams!

RECEIVER. Intermediate Frequency: 1st IF, 21.4 MHz. 2nd IF, 455 kHz. Sensitivity: 12dB sinad, 0.25µV. 20dB nq, 0.39µV. Squelch Sensitivity: threshold, 0.1µV. tight, 10dB above threshold. Spurious Response Attenuation, better than 70dB. Adjacent Channel Rejection, better than 70dB. Modulation Acceptance Bandwidth, better than 7.5kHz. Hum and Noise, better than 40dB. Audio Output Power at 10% THD, better than 2.0W. Audio Response, –6dB/Octave. Stand-by Current 500mA. CTCSS Sensitivity, 0.15µV. DTMF Squelch Sensitivity, 0.2µV.

TRANSMITTER. RF Power Output, 45W (high)/10W (low). Maximum Deviation, 5kHz. Hum and Noise, better than 35dB. Audio Distortion, 3% (TX). Audio Response +6dB/Oct. Spurious and Harmonic Emissions, better than 60dB. Frequency Error, +/–10 ppm. Microphone Sensitivity, 4mV rms. CTCSS Tone Deviation, 0.75kHz. DTMF Tone Deviation, 3.5kHz. Current Drain, less than 8A at 45W; less than 4A at 10W.

GENERAL. Frequency Range (Factory): Transmit, 144-148MHz. Receive, 136-174MHz. Frequency Steps: 5/10/12.5/15/25/50kHz/100kHz. Frequency Stability, +/–10ppm. Microphone, electret condenser (1.2k Ohms). Operating temperature 14 to 140°F. (–10 to 60°C). Dimensions (HWD) $1\frac{5}{8}$ x $5\frac{9}{16}$ x $6\frac{3}{16}$. Supply Voltage, 13.8 VDC (+/–15%).

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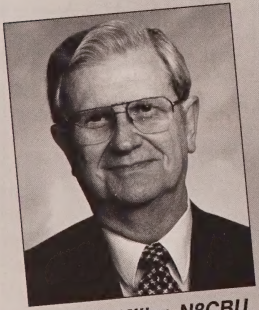
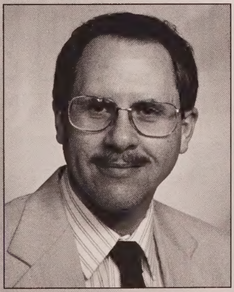
Chairman's Welcome



Dick Miller, N8CBU
General Chairman



Jim Graver, KB8PSO
Assistant
General Chairman

Welcome!

On behalf of the Dayton Amateur Radio Association and Dayton Hamvention Committee, it is my pleasure to welcome you to the 1999 Dayton Hamvention.

The Hamvention Committee has been hard at work for over a year to plan and assemble another outstanding program. It is always our goal to provide the very best displays from equipment manufacturers and other vendors, a world-class electronics flea market, stimulating and informative forums and a variety of social events.

Again this year we have chosen to be an ARRL approved hamfest. As we close out the century, we are looking forward to the year 2000 Hamvention when the ARRL National Convention will be held in conjunction with our show.

Thank you for attending Hamvention '99 and we hope you find some elusive treasures. After you have renewed old friendships and made some new ones, have a safe trip home. See you next year.

73,

Dick Miller

Dick Miller, N8CBU
General Chairman

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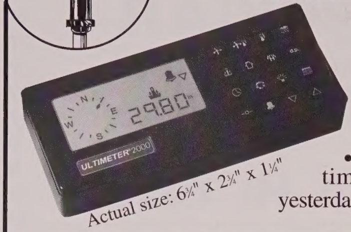

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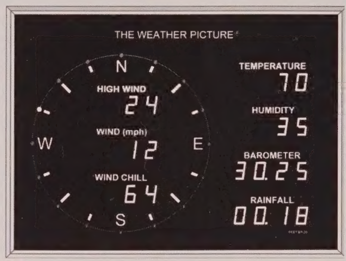

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Mail order ticket requests RECEIVED by May 1 were sent by return mail. Orders received AFTER the deadlines are held for pick-up at the Hara Arena box office.

BANQUET/CONCERT

Banquet tickets are sold out. Please see map on page 31 for directions to the E.J. Nutter Center. Doors open at Saturday, May 15 at 6:00 p.m. and the banquet starts at 6:30 p.m.

CONCERT ONLY

If concert tickets are still available, they may be purchased at the E.J. Nutter Center for $25.00. Doors open for the concert at 7:45 p.m.

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A general admission ticket is required to enter the Flea Market. For YEAR 2000 Flea Market permits, watch for our ad in various amateur radio magazines. See pages 22 and 24 for maps of the Flea Market.

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Office	276-6930
Flea Market	276-6932
Exhibits	FAX: 376-7648 Phone: 376-4648
Communications	276-8906
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Cambridge
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CES
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Cherokee
Cobra
Comet/NCG
Comm. Specialists
Connect Systems
Courier
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CQ Magaine
Cross Device
Cushcraft
Cutting Edge
Daiwa/EDCO
Davis
DC Sales
DCI
Delorme
Diamond/RF Parts
Diamond Systems
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Easy-Up
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Kachina
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Oak Bay Technologies
Oregon Scientific
Paccomm
Palomar Engineers
PAR
Patcomm
Penetrox
Percon
Periphex
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Polyphaser
Pouch (The)
Racom
Radio Amateur Callbook
Ramsey
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See us in booths 26-29. We are a Hamvention Prize Donor.

EXHIBIT HOURS

Exhibits open and prizes on display.

Friday	10:00 a.m.*- 6:00 p.m.
Saturday	8:00 a.m. - 5:00 p.m.
Sunday	8:00 a.m. - 1:00 p.m.*

FLEA MARKET HOURS

Friday	8:00 a.m. - 6:00 p.m.
Saturday	7:00 a.m. - 5:00 p.m.
Sunday	7:00 a.m. - 1:00 p.m.*

FORUM HOURS

Friday	8:00 p.m.* - 5:00 p.m.
Saturday	8:00 a.m.* - 5:00 p.m.
Sunday	8:00 a.m.* - 12:30 p.m.*

Please note that some Forums are held at Meadowdale High School. Free shuttle bus provided.

PRIZE DRAWINGS

Drawing for major prizes: 1:00 p.m.* Sunday.

All inside areas except Prize Drawing Area (Hara Arena) will be closed and secured at 1:00 p.m. Sunday. Hara Arena will be closed after the last prize is drawn.

MESSAGE CENTER

Leave a message for your friends by entering their call sign and message at the DARA Booth #1 (next to the Prize Booth)(see map pages 20 and 21). Prize monitors throughout the arena complex and at the DARA Booth will periodically list "message holding", by call sign.

TALK-IN FREQUENCIES

For directions and assistance in the Dayton Area during your visit to Hamvention, contact "Talk-In" on the DARA Repeater 146.94 (-), alternate 146.91(-). Dayton Hams also monitor 223.94 (-), and 442.1 (+). MIDCARS will again monitor and provide travel assistance on 7.258 MHz.

BAGGAGE CHECK

Room across from Forum Room 3, $3.00 per claim check. All items must be reclaimed by closing time each day. Time extended to 3:00 p.m. on Sunday. No overnight storage is permitted.

LOST AND FOUND

The five Information Booths, located in the Hara Arena lobby, the East Hall lobby, the Conference Center lobby, the Ballarena lobby and the North Hall entrance will accept lost items. To retrieve lost items, please go to the Hara Arena box office.

SHIPPING SERVICE

Mail Boxes Etc. will offer freight service from the "floor of Hamvention". They will be in Booths 203, 204 and 215 and 216, on Friday, Saturday and Sunday. Mail Boxes Etc. will have representatives at their booth to assist you with your shipping needs. See layout on pages 20 and 21.

Hours:	Friday	10:00 a.m.	-	6:00 p.m.
	Saturday	8:00 a.m.	-	5:00 p.m.
	Sunday	8:00 a.m.	-	1:00 p.m.

LICENSE EXAMS

License exams for all pre-registered candidates will be held at Meadowdale High School on Saturday. Shuttle bus service is provided from Hara Arena to the test site. Walk-Ins are accepted, if room is available. Test begins at 10:00 a.m. Doors open at 9:00 a.m. for check-in.

Dayton Amateur Radio Association (DARA) and Hamvention fully support, and are committed to the objectives of the Americans with Disabilities Act (ADA). DARA and Hamvention strive to provide equal opportunity to all qualified persons to participate in Hamvention. Our objective is to provide access to the event that we organize and we expect nothing less of those who provide building facilities, exhibits, and services to our event.

---

* New hours for 1999.

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BUS TRANSPORTATION

There will be free Bus Service provided between Hamvention and our satellite parking areas which include: Salem Mall, Dayton Mall and the KOA campground. Buses will run continuously starting at 7:00 a.m. and make routes as quickly as possible. Due to changing traffic patterns and bus loads, an exact bus schedule is impossible.

Avoid parking problems by riding the HAMVENTION buses.

BANQUET ROUTE

A bus will only be available from Dayton Tall Timbers Resort (KOA) to and from the Nutter Center.

PARKING

There are approximately 8,000 privately owned pay-to-park parking spaces near Hara Arena. In addition, we have again arranged for free parking and free shuttle bus service at the Salem Mall and the Dayton Mall.

CAMPING

Campers, trailers, self-contained vehicles, or vehicles that require more than one space can park at the Salem Mall and take the shuttle bus to Hara Arena. No overnight parking is allowed. Campers and trailers may park/camp at Tall Timbers KOA (1-937-833-3888). Free shuttle bus service available.

TEMPORARY LOADING PASS

You can obtain a temporary loading pass from the guard at Entrance 1 during the show. This restricted loading pass will be good for 20 minutes and will allow you to use a designated area to load and unload equipment or to pick up your exhibitor packet at the Exhibits Office. These passes will be time stamped and must be given to the guard at Exit Number 1 when you leave. (See map on pages 20 and 21).

WHEELCHAIRS

A limited number of wheelchairs have been reserved in advance.

ADA PARKING PASSES

Handicapped visitors have been issued special parking passes in advance. Paid parking only.

ACCURATE ADDRESS INFORMATION NEEDED

Did you fail to get advance Hamvention information in the mail this year? If so, there may have been a problem with your mailing address. Our mailing list is compiled from information taken from ticket stubs that are dropped in the prize drum.

BANKING SERVICES

Bank One and National City Bank (NCB) have Salem Mall branches and have normal Saturday hours. For your convenience there is an ATM at the front entrance to Hara Arena.

EMERGENCY MEDICAL CARE

We have on-site Emergency Medical Service, located in a tent near the front of Hara Arena.

There is an Urgent Care Office located at:

5915 N. Main Street 278-3826

Their hours of operation are from 8:30 a.m. to 10:00 p.m.

From Hara Arena, take Shiloh Springs Road to the traffic light at Main Street, turn left, to the first building on the left.

Also located in the area is Good Samaritan Hospital:

2222 Philadelphia Drive 278-2612

From Hara Arena, take Wolf Road to Salem Avenue, take a left, proceed to the traffic light at Philadelphia Drive.

TAXI INFORMATION

We have negotiated with Yellow Cab to provide on-site service at Hara Arena. Yellow Cab is offering flat rate service for Hamvention weekend to and from Hara Arena and Dayton area hotel/motels and restaurants.

The following companies offer taxi service in the Greater Dayton Area:

Yellow Cab	(937) 228-1155
Liberty Cab	(937) 222-2822
Checker Cab	(937) 222-4011

SPECIAL EVENT STATION

Thanks to the sponsorship of Alinco, Special Event Station W8BI/8 will operated from the flea market. The station will be open to the public during flea market open hours. All guest operators will receive special certificates immediately after they have logged a contact.

W8BI/8 will be operating in the general and novice phone and CW portions of 20M and 40M to allow as many participants as possible to be with us in spirit.

W8BI/8 QSL's hams and SWL's 100 percent. To QSL, send a 9 x 12 SASE for a card and certificate to:

W8BI/8
P.O. Box 44
Dayton, Ohio 45401-0044

or QSL via the Bureau for a card only.

General Chairman

Dick Miller, N8CBU

Assistant General Chairman

Jim Graver, KB8PSO

COMMITTEES

Advertising/Promotion	Earl Sharp, WE8M
Awards and Banquet	Cathi Hoskins, N8ZCQ
Committee Services	Bill Weaner, KB8BKW
Communications	Dave Coons, WT8W
DARA Booth	Ken Coss, KF8EF
DARA Van	Michael Buehler, N8XGA
License Exams	Mike Arquilla, N8SD
Exhibits	Tom Norris, N8YFW
Finance	Bill Ervin, KA8WCF
Flea Market	John Phillips, N8ZGT
Forums	Ron Moorefield, W8ILC
Information	Lynnette Neff, KB8CAR
Production Services	Garry Matthews, KB8GOL
Inside Security	Jim Trangenstein, KB8OUO
Outside Security	Pat Neff, N8IGS
Management Information Systems	George Potor, W8NTY
Media Relations	Steve Cartwright, N8RKB
Prizes	John Camp, WB8UGD
Publications	Mel Berman, W8GTR
Registration	Ray Hines, W6QJN
RF Carrier	Mike Priest, KB8JUA
Special Event Station	Charlie Cotterman, KA8OQF
Talk-In	Jerry Miller, WD8QAI Rich Miller, N8WSA
Traffic	Larry Apple, N8MYQ
Treasurer	Lori Damewood, N8BAN

Past General Chairmen

1952-1955 — John J. Willig, W8ACE

1956-1957 — Rudy Plak, W8ZOF (W6TIK)

1958 — Frank J. Schwab, W8YCP (W8OK)

1959-1960 — Ed F. Bonnet, W8OVG

1961-1962 — Joseph H. McNutt, W8GFN

1963-1964 — Sheemon A. Wolfe, W8WJL

1965-1966 — Edgar A. Smith, W8RKL

1967 — Robert Wilcox, K8EJI

1968-1969 — Jack Ohmart, K8CUA

1970-1971 — Kenneth E. Mills, W8RLY

1972 — George L. Shearer, WA8IHC (KE8WJ)

1973-1976 — Ted L. Suarez, K8BSC

1977 — Wallace M. Wright, WA8ZCA (AD8N)

1978 — John Basilotto, W5GI (KC2EH)

1979 — Sandford H. Cohen, W8JEZ (N8HWQ)

1980-1981 — Noel K. McKeown, WB8QQC

1982-1983 — Harold A. Judd, WA8KNM

1984-1985 — Jack Mitchell, AA8Q

1986-1987 — Jim Simpson, WB8QZZ

1988-1989 — Bill McNabb, WD8SAY

1990 — Ed Hillman, N8ALN

1991-1992 — Ross Brown, WA8DQH

1993-1994 — Dave Grubb, KC8CF

1995-1996 — Ken Allen, KB8KE

1997– — Dick Miller, N8CBU

TELEGRAPH KEY MUSEUM

Once again, the W1TP TELEGRAPH MUSEUM will be on display every day, all-day, at outdoor flea market spaces 2551-2554. There will be more than 500 historic telegraph keys dating from before the Civil war to the present.

Bring your old and unusual keys, photographs, and stories.

Tom Perera, W1TP will be providing information, history, appraisals, adjustments, and pretzels! He will also be buying, trading and photographing keys to help expand his museum. This is the official hang out for telegraph collectors and CW enthusiasts.

There will be plenty of copies of "Perera's Telegraph Collector's History and Price Guide" available.

FRIDAY, MAY 14

4:00 **LAMBDA AMATEUR RADIO CLUB (LARC)**
Ramada Inn, 4079 Little York Road, Dayton, OH

Established in 1975, LARC is the only open and visible public service-oriented club for gay and lesbian hams and their friends. LARC is an ARRL Affiliated club with membership open to all.

4:00 **RAINBOW AMATEUR RADIO ASSOCIATION**
Huber Heights Comfort Inn, 7907 Brandt Pike, Huber Heights, OH

This is the radio club for gays, lesbians and their friends. See the lobby sign for location of our hospitality suite.

6:30 **DX DINNER (14TH ANNUAL)**
Crowne Plaza Hotel, E. Fifth and S. Jefferson Streets, Dayton, OH

There will be a cash bar at 6:30 PM and dinner at 7:15 PM. Sponsored by Southwest Ohio DX Association.

6:30 **VHF WEAK SIGNAL GROUP**
Holiday Inn North, 2301 Wagoner Ford Road, Dayton, OH

This event will run from 6:30 PM until 11:00 PM. There will be a cash bar as well as plenty of seating to allow you to mix and mingle with other VHFers from all over the country and the world. There will be over 50 prizes with two grand prizes worth over $300 each being drawn starting at 9:00 PM. Also, there will be a guest speaker who will provide a short talk on VHF activity. There will also be a noise figure-measuring table, so bring your preamps to tweak. This is one of the largest gatherings of VHF Weak Signal enthusiasts in the U.S.

6:30 **CONTEST SUPER SUITE**
Crowne Plaza Hotel, Miami Room (2nd floor), E. Fifth and S. Jefferson Streets, Dayton, OH

This event is hosted by North Coast Contesters and Frankford Radio Club and is sponsored by RF APPLICATIONS. Held in a large ballroom suite with cash bar, there is room for 400. Contests and DXers.

7:00 **FAST SCAN AMATEUR TV**

West Carrollton Lions Club, 427 East Main Street, West Carrollton, OH.

Hosted by DARA W8BI-ATV Repeater Group ATNA. Presentations, door prizes and snacks provided. For directions Stop by W8BI-ATV Repeater Group/ATNA Booth 107 or contact us on 144.34.

7:00 **FISTS CW CLUB**

Crowne Plaza Hotel, E. Fifth and S. Jefferson Streets, Dayton, OH

There will be an informal social gathering of the FISTS International CW Club at the Windows Lounge. All FISTS members and others interested in CW operation are welcome. Cash bar.

7:00 **PACKET BASH**

NCR Sugarcamp Conference Center, 101 W. Shantz Ave., Dayton, OH

The Packet Bash is co-sponsored by TAPR and the Miami Valley FM Association. This is a chance to meet with digital radio enthusiasts from around the world. The event will feature a buffet dinner and a keynote address entitled "A Little Technology Goes a Long Way" by Dave Pederson, N7BHC. There will also be TAPR special interest group meetings, "birds of a feather" gatherings, a raffle and SIG meetings held after the dinner. For speaker and discussion only, arrive around 8:30 p.m.

7:00 **QCWA**

Alex's Continental Restaurant, 125 Monarch Lane, Miamisburg, OH (near intersection of I-75 and Route 725, then proceed 1/2 mile west on 725)

The Southwest Ohio Chapter 9 will hold its annual dinner meeting with COD bar at 7:00 PM, dinner at 7:30 PM. A presentation of "Springtime in the Smokies" will be presented by Ernie and Julie Guenther.

7:30 **IVCA SSTV MEETING**

Howard Johnson Motel, 7575 Poe Ave., Dayton, OH

The program will be " New SSTV Developments and Programs."

8:00 **WESTERN NEW YORK DX ASSOCIATION, THE 59(9) REPORT AND ROCHESTER DX ASSOCIATION**

Crowne Plaza Hotel, Hospitality Suite Room 325, E. Fifth and S. Jefferson Streets, Dayton, OH

Drop in for an eyeball with the Big Guns and Little Pistols. Everyone is welcome.

SATURDAY, MAY 15

4:00 **RAINBOW AMATEUR RADIO ASSOCIATION**
Huber Heights Comfort Inn, 7907 Brandt Pike, Huber Heights, OH

This is the radio club for gays, lesbians and their friends. See the lobby sign for location of our hospitality suite.

6:30 **ATNA DINNER/MEETING, OPEN TO ALL ATVers**

Down The Pike, 1603 South Alex Road, West Carrollton, OH,

Open menu $7.00 to $16.00. For directions stop by Booth 107, W8BI-ATV \ ATNA.

6:30 **CONTEST SUPER SUITE**
Crowne Plaza Hotel, Miami Room (2nd floor), E. Fifth and S. Jefferson Streets, Dayton, OH

This event is hosted by North Coast Contesters and Frankford Radio Club and is sponsored by RF APPLICATIONS. Held in a large ballroom suite with cash bar, there is room for 400 contesters and DXers.

6:30 **Seventh Annual Contest Dinner Banquet**
Crowne Plaza Hotel, Van Cleve Ballroom, E. Fifth and S. Jefferson Streets, Dayton, OH

This event is hosted by North Coast Contesters.

7:00 **LAMBDA AMATEUR RADIO CLUB (LARC)**

Ramada Inn, 4079 Little York Road, Dayton, OH

Annual Meeting followed by Awards Banquet

8:00 **WESTERN NEW YORK DX ASSOCIATION, THE 59(9) REPORT AND ROCHESTER DX ASSOCIATION**

Crowne Plaza Hotel, Hospitality Suite Room 325, E. Fifth and S. Jefferson Streets, Dayton, OH

Drop in for an eyeball with the Big Guns and Little Pistols. Everyone is welcome.

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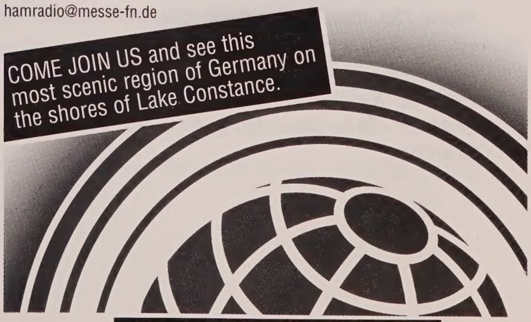
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Junior Trustee	Jim Ebner, KI8FY

Standing Committees

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Bellefontaine Club Station	Jim Ebner, KI8FY
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Hamvention	Dick Miller, N8CBU
Interference	Ron Moorefield, W8ILC
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Stewardship	John Szkudlarek, KA8FGE
W8BI Trustee	Charlie Cotterman, KA8OQF

Special Committees

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Awards Manager	Jeff Everetts, N8IBW
Bookstore	Hazel Everetts, N8PTL
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Equipment Custodian	Steve Webb, N8DIX
Fellowship	Bev Priest, N8UZV
Field Day	Mike Buehler, N8XGA
Historian	Susan Stacy, KG8X
Information	Shirley Roberts, N8LX
Parliamentarian	Joe Brassard, KA8OKC
Red Cross EOC	Ernie Hudson, KI8O
RF-Carrier	
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Satellites	Gerd Schrick, WB8IFM
Scholarship	Stan Kuck, NY8F
Sgt. At Arms	Irish Coss, N8VVZ
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Tom Holmes	WB8QVC
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Creative Services Software, Inc.	112
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D.A.C.A.R.	99
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DARC: Deutscher Amateur Radio Club	621,622
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Force 12, Inc.	552,553
Ford Motor Company / Visteon	227,228,239,240,263,264

KENWOOD

Dayton Activities

Kenwood's **TOPGUN** Industry Recognition Award. Presented at the Kenwood booth on Friday, 5pm.

VISIT KENWOOD'S BOOTH IN THE MAIN ARENA.

See the TH-D7A in action operating APRS™ and taking pictures with the VC-H1 Visual Communicator.

FREE

A $52.95 Retail Value

Bring your receipt and radio (in the box) to the Kenwood booth.

Special Discounts

$20
TH-22AT
TH-79AKSS
TH-G71A
TH-D7A
TM-261A
TM-331A
TM-541A

$30
TM-V7A
TM-G707A
VC-H1

$40
TM-642AD
TM-742AD
TS-50S

$50
TS-570DG
TS-570SG

$75
TS-870S

$100
TS-950SDX

Receive a FREE SMC-32 Speaker Mic. with any New TH-22AT, TH-79AKSS, TH-D7A, TH-G71A.

Kenwood Product Class Schedule

Learn all about these products before you decide what to buy at the show!

Friday May 14

11:00 A.M.	TH-D7A, VC-H1
12:00 P.M.	TS-570D/S(G), TS-870S
1:00 P.M.	How To Operate Your Radio
2:00 P.M.	TS-570D/S(G), TS-870S
3:00 P.M.	TH-D7A, VC-H1
4:00 P.M.	TS-570D/S(G), TS-870S

HAMVENTION '99

Saturday May 15

9:00 A.M.	TH-D7A, VC-H1
10:00 A.M.	TS-570D/S(G), TS-870S
11:00 A.M.	TM-V7A, TM-G707A
12:00 P.M.	TS-570D/S(G), TS-870S
1:00 P.M.	How To Operate Your Radio
2:00 P.M.	TS-570D/S(G), TS-870S
3:00 P.M.	TM-V7A, TM-G707A
4:00 P.M.	TS-570D/S(G), TS-870S

Sunday May 16

9:00 A.M.	TH-D7A, VC-H1
10:00 A.M.	TS-570D/S(G), TS-870S
11:00 A.M.	How To Operate Your Radio
12:00 P.M.	TS-570D/S(G), TS-870S

The Kenwood Classroom is located just outside the main arena in booths, 113, 114, & 115.

99ARD-1874/#033199-Rev.

See us in booths 50-52, 71-73, 113-115. We are a Hamvention Prize Donor.

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General Motors Corp.	625,626,632,633,639,640
Gjc Software, Inc.	305
Glen Martin Engineering, Inc.	613-615
Gordon West & W5YI	250-252
HAL Communications Corp.	582-584,648
The Ham Contact / Power Station	570,571
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KJI Electronics	321,322
Lance Johnson Engineering	480
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Midwest VHF/UHF Society	718
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Mr. Nicad - E. H.Yost & Company	120-122
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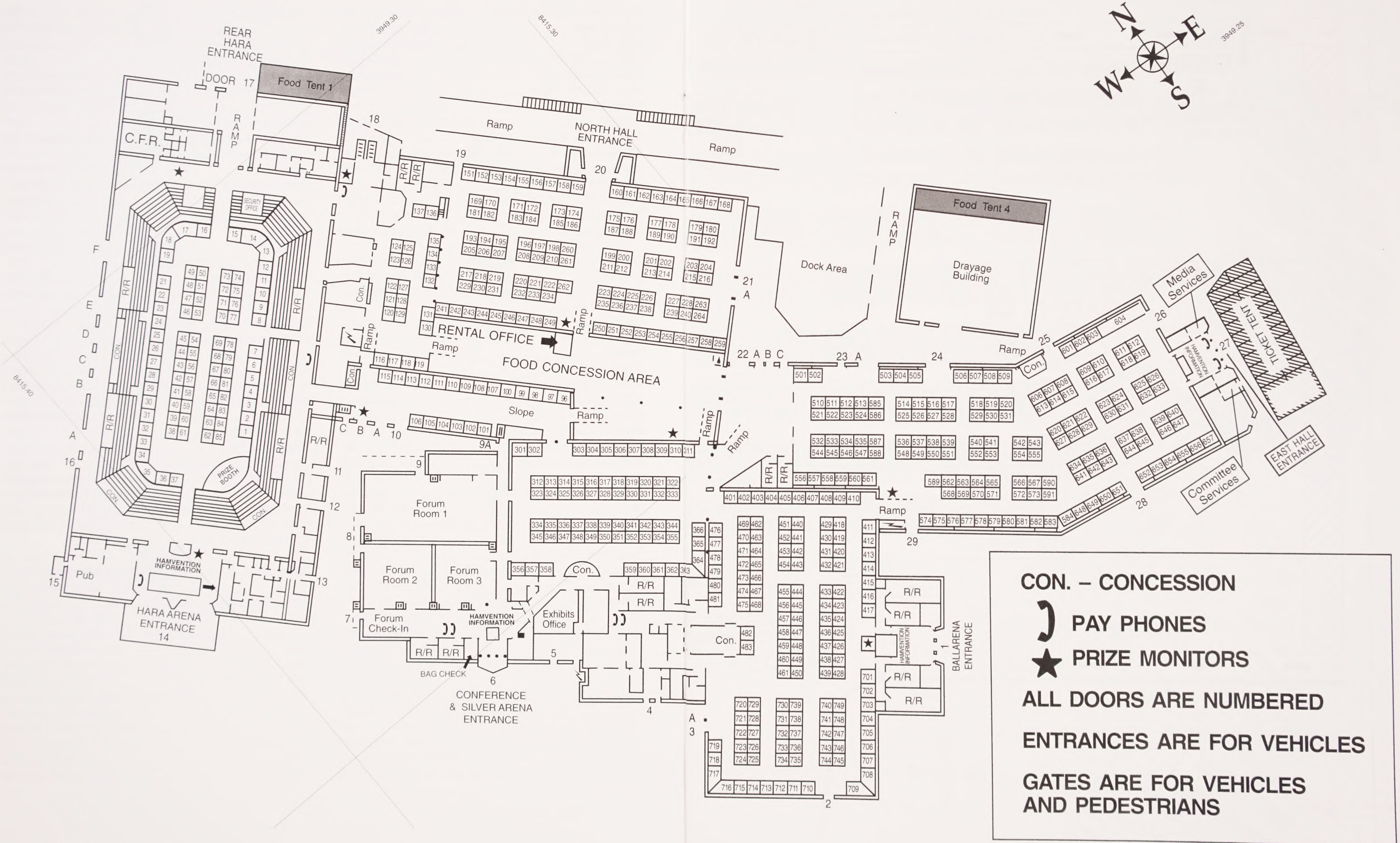
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Food Tent 1
C.F.R.
RAMP
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Food Tent 4
Drayage Building
Dock Area
RAMP
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S
Media Services
TICKET TENT
HAMVENTION INFORMATION
EAST HALL ENTRANCE
Committee Services
RENTAL OFFICE
FOOD CONCESSION AREA
Slope
Ramp
SECURITY OFFICE
PRIZE BOOTH
CON
R/R
Con.
Pub
HAMVENTION INFORMATION
HARA ARENA ENTRANCE 14
Forum Room 1
Forum Room 2
Forum Room 3
Forum Check-In
HAMVENTION INFORMATION
BAG CHECK
CONFERENCE & SILVER ARENA ENTRANCE
Exhibits Office
Con.
BALLARENA ENTRANCE
HAMVENTION INFORMATION
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CON. – CONCESSION

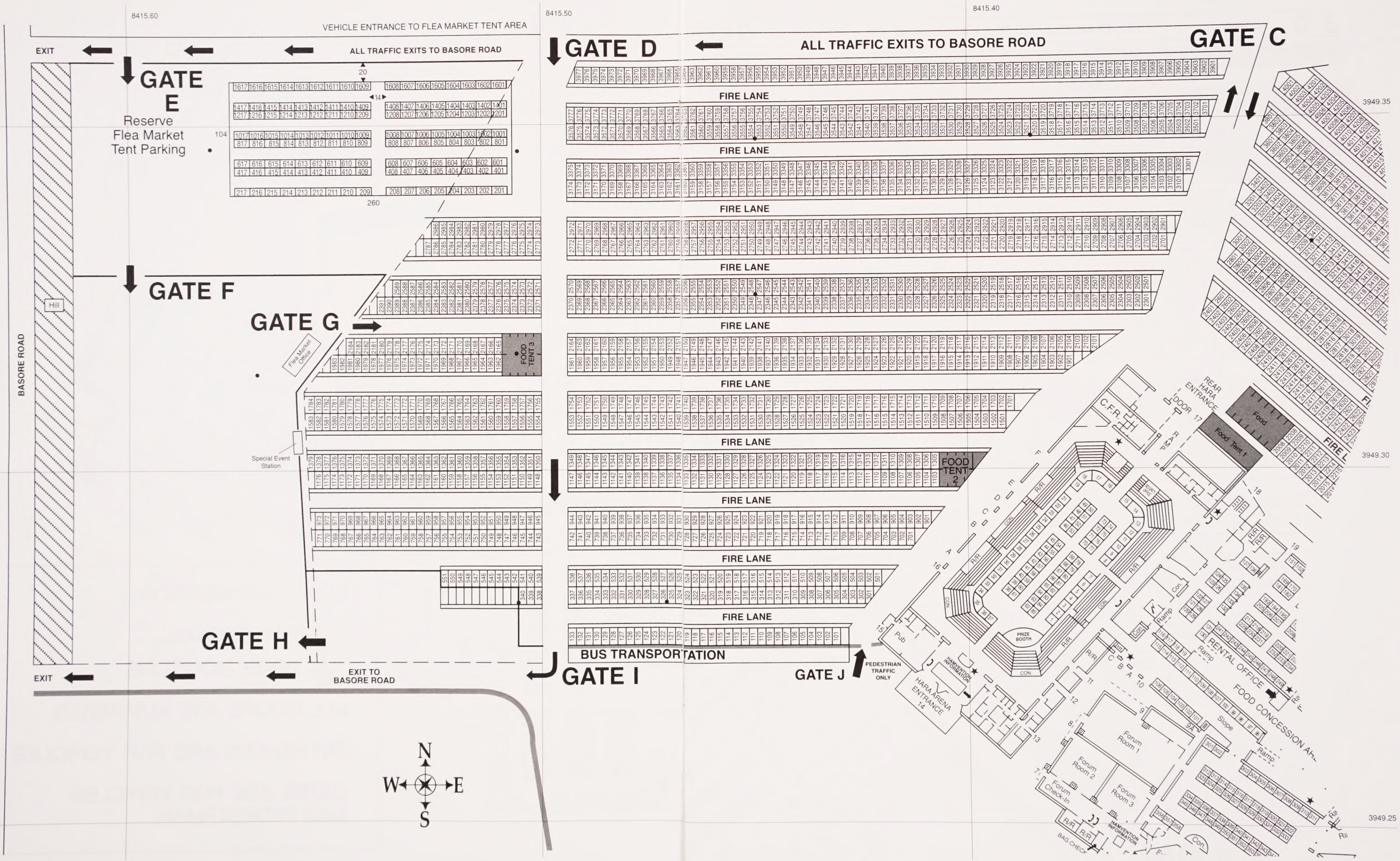
☎ PAY PHONES

★ PRIZE MONITORS

ALL DOORS ARE NUMBERED

ENTRANCES ARE FOR VEHICLES

GATES ARE FOR VEHICLES AND PEDESTRIANS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VEHICLE ENTRANCE TO FLEA MARKET TENT AREA
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GATE D
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GATE C
GATE E
Reserve Flea Market Tent Parking
GATE F
GATE G
GATE H
GATE I
GATE J
FIRE LANE
FOOD TENT 3
FOOD TENT 2
Food Tent 1
Food
Flea Market Office
Hill
Special Event Station
BASORE ROAD
BUS TRANSPORTATION
EXIT
EXIT TO BASORE ROAD
PEDESTRIAN TRAFFIC ONLY
HARA ARENA ENTRANCE 14
HAMVENTION INFORMATION
REAR HARA ENTRANCE
DOOR 17
C.F.R.
PRIZE BOOTH
Pub
Forum Room 1
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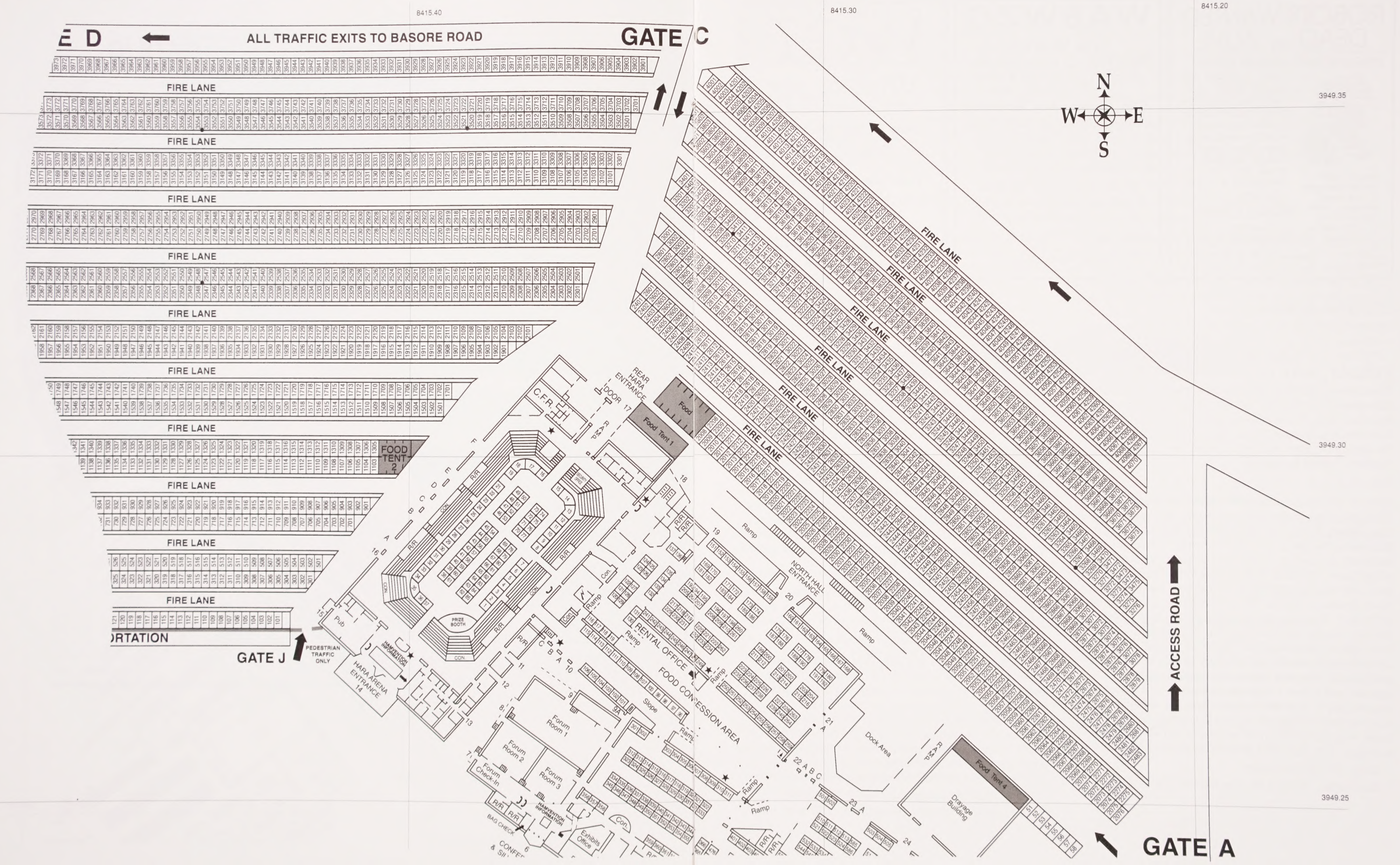
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Dock Area
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PRIZE BOOTH
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HARA ARENA ENTRANCE 14
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Forum Room 2
Forum Room 3
Forum Check-In
BAG CHECK
Exhibits Office
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ACCESS ROAD
GATE A

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HERO 1, JR, 2000, ARM
ANDROBOTS; TOPO
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Alternate Activities

Hamvention Ticket Required

FRIDAY, MAY 14

The following alternate activities have been planned for all attendees of Hamvention '99. Buses will depart from the main bus drop-off and pick-up location at the Hara Arena Complex. A purchased Hamvention ticket and a ticket for the selected trip are required to board the bus. **No complimentary tickets accepted.**

Dine-A-Round — 10:45 a.m. - 2:45 p.m.

Enjoy a diverse sampling of the quality dining establishments the Dayton/ Montgomery County area has to offer. Our culinary journey will begin with the popular El Mason Macarena, the area's only South American restaurant complete with an open-air market and authentically decorated dining room. El Mason is known for their creative combinations and incomparable taste. Appetizers featuring several South American cultures will be served, including a variety of "Tapas". The main entree will be served at Bravo! Italian Kitchen. Always with a waiting line, this restaurant is a different Italian experience that cannot be missed. Their lively atmosphere combined with delicious creations will please your palette. Our final stop for the day will be at the upscale, well known L'Auberge Restaurant. L'Auberge, the region's only 4 -star rated establishment, is widely recognized for their impeccable service in a lavish setting. Chef Dieter Krug is internationally renowned and will undoubtedly send your taste buds to a different level.

Cost: $17.00 per person

Bus Loads: 10:30 a.m. Bus departs: 10:45 a.m.

City Tour — 1:00 p.m. - 4:30 p.m

Grab some lunch at the Hara Arena Complex and join us for a tour highlighting the variety of attractions in the Dayton/Montgomery County area. We'll tour Paul Laurence Dunbar's home and see how the first African-American Poet Laureate lived. Then we'll "fly" to the United States Air Force Museum to view the historically significant Air Force One located in the Presidential Hangar. Finally, we'll step back in time at Carriage Hill MetroPark Farm to see the lifestyle of an 1880s conservative farm family. A mid-afternoon snack with beverages will be served. In addition to the sights, you'll hear about other attractions in the Miami Valley — and make sure you listen because a trivia game with prizes will complete our return trip.

Cost: $7.00 per person

Bus Loads: 12:45 p.m. Bus departs: 1:00 p.m.

SATURDAY, MAY 15

Shop-A-Round

Grab your credit cards and wear your most comfortable shoes because this is one day you are going to want to be able to move (and spend) without restraint! We are going to hit the most unique specialty boutiques in the area featuring clothes, jewelry, household items, antiques, collectibles and (maybe) something for the generous person who'll be assisting with upcoming payments. Naturally, time will be provided for you to explore some great eateries on your own — but not much — there's just too much to buy!

Cost: $5.00 per person (purchases not included)

Bus Loads: 8:45 a.m. Bus departs: 9:00 a.m.

Cooking Class

The Miami Valley is fortunate to be home to one of the fastest up-and-coming culinary schools in the Midwest. Sinclair Community College's Culinary Arts professionals will teach you some of the latest cooking techniques that are readily applicable at home. The instructional-style class will allow hands-on practice, or for those who prefer, the option of visual participation. The delightful personality of Chef Frank Liebold will guide you through the preparation of a fabulous lunch complete with recipes to take home. Come hungry —— everyone will enjoy the day's creations!

Cost: $20.00 per person

Bus Loads: 8:45 a.m. Bus departs: 9:00 a.m.

How Does Your Garden Grow?

Local experts will be on hand to give a presentation on home, lawn and garden care design. Learn the latest techniques for maximizing growth potential and color enhancement. Additionally, helpful hints will be shared on landscape design to highlight the natural layout of your lawn. Your neighbors will be amazed at the beauty of your lawn! Held at Meadowdale High School from 10:00 a.m. to 11:15 a.m.

Cost: $3.00 per person

Continuous shuttles from Hara Arena

Make-It and Take It

Back by popular demand!! Michaels Arts and Craft store, a local leading expert in this popular field, will be on hand to teach this year's project. Participants will learn how to make floral corsages and boutonnieres and leave with a knowledge to continue designing at home. A full array of silk flowers in all styles and colors will be provided. Have fun and then wear your creations out-on-the-town that evening! Held at Meadowdale High School from 1:30 p.m. to 2:30 p.m.

Cost: $5.00 per person

Continuous shuttles from Hara Arena

Let's Get Beautiful!

We are so excited to bring this activity to you! Before your Saturday night-on-the-town, stop in the complete beauty make-over room at Meadowdale High School. Leading makeup consultants from Mary Kay Cosmetics will be available at three different stations: Nails; Lips, Cheeks and Eyes; and Fragrances. Learn the latest application techniques, see the hottest color trends, and excite your olfactory senses at this pampering event. Items will be available for purchase. Held at Meadowdale High School from 3:00 p.m. to 4:30 p.m.

Cost: $5.00 per person

How to be ...

... a DARA Member

If you would like to join the Dayton Amateur Radio Association (DARA), go to Booth #1 (next to the Prize Booth) in the Hara Arena building.

... an Exhibitor

To receive information about becoming a new exhibitor at the Year 2000 Hamvention, leave your name and address at the Exhibits Office or write to:

Hamvention Exhibits Chairman
P.O. Box 964
Dayton, OH 45401-0964

... a Forum Speaker

If you would like to be considered as a Forum speaker for the Year 2000 Hamvention, write to:

Hamvention Forums Chairman
P. O. Box 964
Dayton, OH 45401-0964

... a Program Advertiser

To receive information about becoming a new advertiser in the Year 2000 Hamvention program or Pre-Show Brochure, write to:

Hamvention Advertising Chairman
P. O. Box 964
Dayton, OH 45401-0964

... listed as an Unofficial Activity

To be listed in the Unofficial Activity section of the Year 2000 program and/or our direct mail pieces: Write to:

Hamvention Publications Chairman
P. O. Box 964
Dayton, OH 45401-0964

Deadline for mailer: November 1, 1999

Deadline for program: March 8, 2000

See us in booths 628-629 & 635-636. We are a Hamvention Prize Donor.

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NEW!

DJ-V5T VHF+UHF Compact HT

- Alphanumeric Display, up to 6 characters
- 200 memory channels plus two call channels
- Full VHF + UHF Amateur Band Coverage
- Expandable Receive Range, (76 ~ 999 MHz*) includes Wide FM capability
- Up to 6 watts output, 3 output settings
- CTCSS Encode+decode, DTMF squelch and 4 different European Tone Bursts
- Accepts up to 13.8 VDC direct input
- 4 scan modes, 5 programmable scan banks
- Input voltage display with over voltage warning
- MARS/CAP capability
- Autodial memories
- Automatic high temperature protection feature
- Standard high-power 700 mAh Ni-Cd battery pack EBP-45N
- SMA antenna connector
- Eight different tuning steps
- Wire cloning capability
- Wide choice of accessories
- Audio output control (high/low)
- Split-band operation capability

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VHF/UHF DUAL BAND FM TRANSCEIVER
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TX/RX
FUNC LOCK
BAND SET

These radios have not yet been type accepted by the FCC. They may not be sold or leased until the approval of the FCC has been obtained.

***Cellular blocked.**

NEW!

DJ-195T 2 Meter HT

- Alphanumeric display
- 40 memory channels
- 5 watt output with standard battery
- CTCSS encode+decode and DCS
- 13.8 VDC direct input
- Direct frequency input
- S-meter
- Autodialer
- Cable Cloning
- Additional features, including theft alarm!

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"2020 Vision" The ARRL Quest

2002
2001
2000
1999

In a historic collaboration, the Dayton Hamvention will host the 2000 ARRL National Convention!

Conventioneers will have a unique opportunity to hear top ARRL leaders discuss what has become known as "2020 Vision", a crucial look at what Amateur Radio will be like ten and twenty years down the road in the new millennium.

The ARRL Board of Directors has placed top priority on developing a vision for what we want Amateur Radio to be like for people who have not yet been born.

This vision is not simply a description of what we will see in the future, or a prediction of what we may or may not like in the future, but rather a vision of what we must do now that will cause the future we would like. We need to ask ourselves, "What does the nation need from Amateur Radio?" And not, "What does Amateur Radio need in order to survive?"

Top League officials along with many members will be on hand to welcome conventioneers and present special programs, celebrating the departure of the last century and arrival of the next for Amateur Radio.

Be sure to stop at the ARRL booths 208-210, 220-222 and 262 in the North Hall.

We expect the combined Dayton Hamvention/ARRL National Convention to be our best Dayton Hamvention ever! Make your plans NOW to attend in 2000!

It will be the biggest show in the Amateur Radio World. You will not want to miss it.

Make your plans NOW to attend the Combined Dayton Hamvention/ ARRL National Convention in 2000!

See us in booths 208-210, 220-222 & 262. We are a Hamvention Prize Donor.

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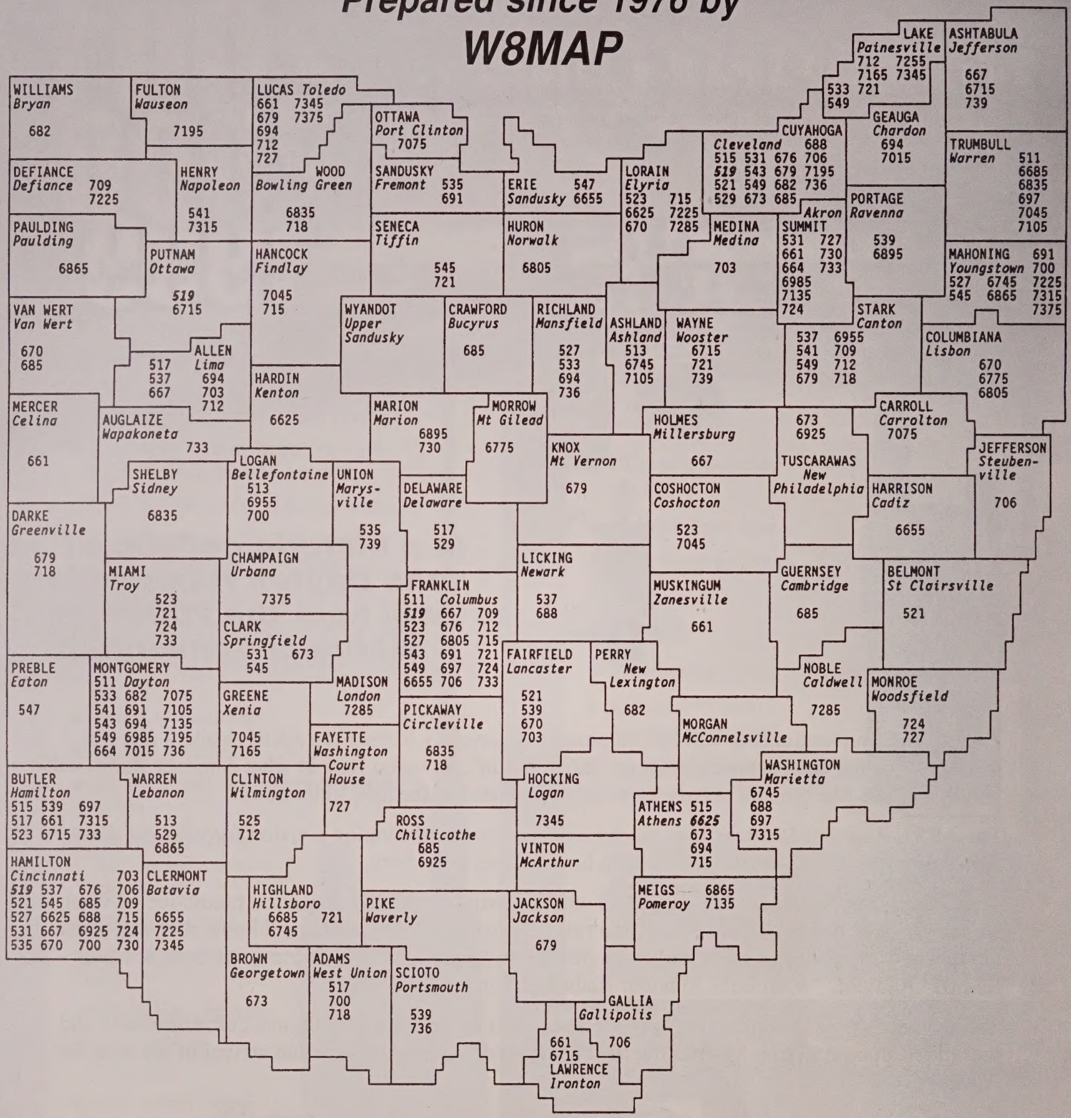

WILLIAMS Bryan 682
FULTON Wauseon 7195
LUCAS Toledo 661 7345 679 7375 694 712 727
OTTAWA Port Clinton 7075
DEFIANCE Defiance 709 7225
HENRY Napoleon 541 7315
WOOD Bowling Green 6835 718
SANDUSKY Fremont 535 691
ERIE Sandusky 547 6655
LORAIN Elyria 523 715 6625 7225 670 7285
CUYAHOGA Cleveland 688 515 531 676 706 ***519*** 543 679 7195 521 549 682 736 529 673 685
LAKE Painesville 712 7255 7165 7345 533 721 549
ASHTABULA Jefferson 667 6715 739
GEAUGA Chardon 694 7015
TRUMBULL Warren 511 6685 6835 697 7045 7105
PAULDING Paulding 6865
PUTNAM Ottawa ***519*** 6715
HANCOCK Findlay 7045 715
SENECA Tiffin 545 721
HURON Norwalk 6805
MEDINA Medina 703
SUMMIT Akron 531 727 661 730 664 733 6985 7135 724
PORTAGE Ravenna 539 6895
MAHONING Youngstown 691 700 527 6745 7225 545 6865 7315 7375
VAN WERT Van Wert 670 685
ALLEN Lima 517 537 667 694 703 712
WYANDOT Upper Sandusky
CRAWFORD Bucyrus 685
RICHLAND Mansfield 527 533 694 736
ASHLAND Ashland 513 6745 7105
WAYNE Wooster 6715 721 739
STARK Canton 537 6955 541 709 549 712 679 718
COLUMBIANA Lisbon 670 6775 6805
MERCER Celina 661
AUGLAIZE Wapakoneta 733
HARDIN Kenton 6625
MARION Marion 6895 730
MORROW Mt Gilead 6775
KNOX Mt Vernon 679
HOLMES Millersburg 667
TUSCARAWAS New Philadelphia 673 6925
CARROLL Carrolton 7075
JEFFERSON Steubenville 706
SHELBY Sidney 6835
LOGAN Bellefontaine 513 6955 700
UNION Marysville 535 739
DELAWARE Delaware 517 529
COSHOCTON Coshocton 523 7045
HARRISON Cadiz 6655
DARKE Greenville 679 718
MIAMI Troy 523 721 724 733
CHAMPAIGN Urbana 7375
LICKING Newark 537 688
MUSKINGUM Zanesville 661
GUERNSEY Cambridge 685
BELMONT St Clairsville 521
CLARK Springfield 531 673 545
FRANKLIN Columbus 511 ***519*** 667 709 523 676 712 527 6805 715 543 691 721 549 697 724 6655 706 733
FAIRFIELD Lancaster 521 539 670 703
PERRY New Lexington 682
NOBLE Caldwell 7285
MONROE Woodsfield 724 727
PREBLE Eaton 547
MONTGOMERY Dayton 511 533 682 7075 541 691 7105 543 694 7135 549 6985 7195 664 7015 736
GREENE Xenia 7045 7165
MADISON London 7285
FAYETTE Washington Court House 727
PICKAWAY Circleville 6835 718
MORGAN McConnelsville
WASHINGTON Marietta 6745 688 697 7315
BUTLER Hamilton 515 539 697 517 661 7315 523 6715 733
WARREN Lebanon 513 529 6865
CLINTON Wilmington 525 712
ROSS Chillicothe 685 6925
HOCKING Logan 7345
ATHENS Athens 515 ***6625*** 673 694 715
VINTON McArthur
HAMILTON Cincinnati 703 ***519*** 537 676 706 521 545 685 709 527 6625 688 715 531 667 6925 724 535 670 700 730
CLERMONT Batavia 6655 7225 7345
HIGHLAND Hillsboro 6685 721 6745
PIKE Waverly
JACKSON Jackson 679
MEIGS Pomeroy 6865 7135
BROWN Georgetown 673
ADAMS West Union 517 700 718
SCIOTO Portsmouth 539 736
GALLIA Gallipolis 706
LAWRENCE Ironton 661 6715

Additions or corrections to **W8MAP@febo.com**

Revised 3/20/99

Your RX frequency is shown. All RX frequencies below 147 MHz use a 600 KHz minus offset for TX. All RX frequencies at or above 147 MHz use a 600 KHz plus offset for TX.

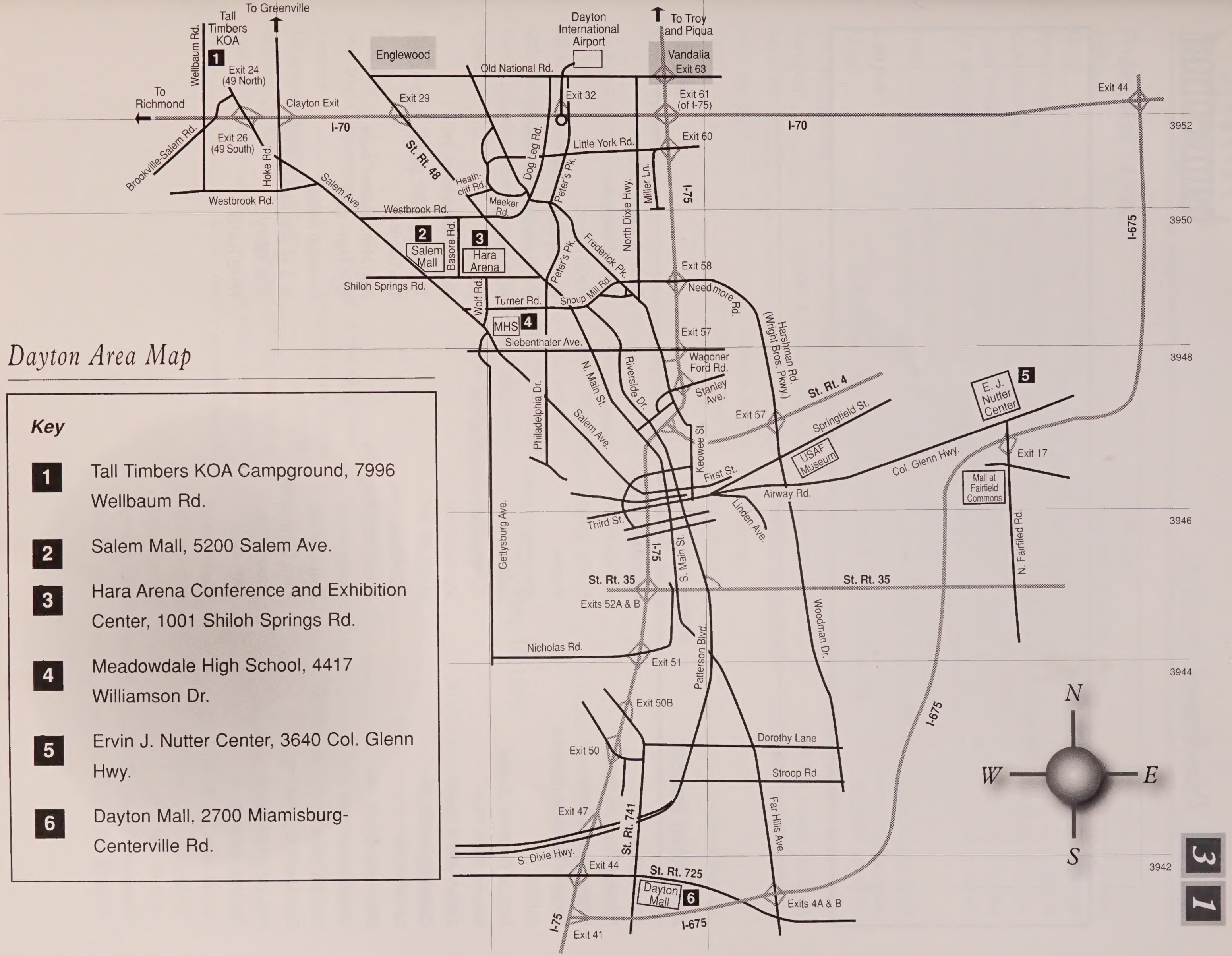
EXAMPLE: 676 indicates 146.760 MHz RX and 146.16 MHz TX. 7025 indicates 147.025 MHz RX and 147.625 MHz TX.

Wide area linked repeaters are in ***bold italics*** in these counties: Hamilton, Putman, Cuyahoga, Franklin and Athens.

Map is available for viewing and printing in pdf format at **http://www.qsl.net/kb8ssh/map.html**

Please duplicate without alteration for FREE distribution.

Dayton Area Map


To Greenville
Tall Timbers KOA
1
Wellbaum Rd.
To Richmond
Exit 24 (49 North)
Exit 26 (49 South)
Clayton Exit
Brookville-Salem Rd.
Hoke Rd.
Westbrook Rd.
Englewood
Exit 29
I-70
St. Rt. 48
Salem Ave.
Westbrook Rd.
2
Salem Mall
Basore Rd.
3
Hara Arena
Shiloh Springs Rd.
Wolf Rd.
Turner Rd.
MHS
4
Siebenthaler Ave.
Old National Rd.
Dayton International Airport
Exit 32
Dog Leg Rd.
Heath-cliff Rd.
Meeker Rd.
Little York Rd.
Peter's Pk.
Peter's Pk.
Frederick Pk.
North Dixie Hwy.
Miller Ln.
Shoup Mill Rd.
To Troy and Piqua
Vandalia Exit 63
Exit 61 (of I-75)
Exit 60
I-75
Exit 58
Needmore Rd.
Exit 57
Wagoner Ford Rd.
Stanley Ave.
Philadelphia Dr.
N. Main St.
Riverside Dr.
Salem Ave.
Harshman Rd. (Wright Bros. Pkwy.)
St. Rt. 4
Exit 57
Springfield St.
USAF Museum
Keowee St.
First St.
Airway Rd.
Col. Glenn Hwy.
E. J. Nutter Center
5
Exit 17
Mall at Fairfield Commons
N. Fairfiled Rd.
I-70
Exit 44
I-675
Gettysburg Ave.
Third St.
Linden Ave.
I-75
S. Main St.
St. Rt. 35
Exits 52A & B
St. Rt. 35
Woodman Dr.
Nicholas Rd.
Exit 51
Patterson Blvd.
Exit 50B
Exit 50
Dorothy Lane
Stroop Rd.
Exit 47
St. Rt. 741
Far Hills Ave.
S. Dixie Hwy.
Exit 44
St. Rt. 725
Dayton Mall
6
I-75
Exit 41
I-675
Exits 4A & B
I-675
N
W
E
S
3952
3950
3948
3946
3944
3942

Key

1. Tall Timbers KOA Campground, 7996 Wellbaum Rd.
2. Salem Mall, 5200 Salem Ave.
3. Hara Arena Conference and Exhibition Center, 1001 Shiloh Springs Rd.
4. Meadowdale High School, 4417 Williamson Dr.
5. Ervin J. Nutter Center, 3640 Col. Glenn Hwy.
6. Dayton Mall, 2700 Miamisburg-Centerville Rd.

Top Ten Prize Donors

We would like to extend a special thanks to our Top Ten Prize Donors for 1999.

1. Yaesu USA
2. Kenwood Communications Corp.
3. Icom America, Inc.
4. Alinco
5. Buckmaster Publishing
6. Mini Circuits Labs
7. Optoelectronics, Inc.
8. ARRL
9. Svetlana Electron Devices
10. Larson Electronics

Be sure to stop their booths and say "Thanks"

Additional Donors

Alpha/Power
Amateur Electronic Supply
Amateur Radio Trader
Amateur Television Quarterly
AMSAT
Antique Electronic Supply
Bearcat Radio Club
Belden Wire & Cable
Coaxial Dynamics, Inc.
CTI PRO-AM
DCI Digital Comm, Inc.
Electronic Rainbow
EQF Software
Glen Martin Engineering
HAL Communications
The Ham Contact
Ham Radio Outlet
Heil Sound
HI-Res Communications
Hustler
International Radio
Jade
Kachina Communications, Inc.
M2, Inc.
MAXRAD
MCM Electronics
Nuts & Volts Magazine
Palstar
Peet Brothers
Plum DX Supplies
Prosoft Plus
QRP-ARCI
Qualcomm
Radio Amateur Callbook
Radio Bookstore
Radio Shack
Ramsey Electronics
R.F. Parts/Diamond Antenna
SGC, Inc.
Solder-It
Startek International. Inc.
TAPR
Ten-Tec, Inc.
Sign Man - Baton Rouge
Sign Man - Ohio
Universal Radio
W & W Manufacturing Co.
Wireman, Inc.
World Radio

Friday, May 14,1999

1:00 p.m.

Alinco	DR-MO3 26 - 32 MHz Mobile Radio
Alpha/Power	RF Concepts VHF 1-60 Amplifier
ICOM America	IC-2100H 2 meter Mobile
Radio Shack	HTX 202 2 meter Handheld
R.F. Parts/Diamond Antenna	G2V 4000 Diamond Power Supply
Yaesu	G-450A Rotator

3:00 p.m.

AMSAT	Kansas City Tracker/Tuner
International Radio	Crystal Filter Coupon
Kenwood	TH-G71A 2m/440MHz Mobile
PALSTAR	AT300CLN Tuner
SGC, Inc.	Antenna Coupler
Yaesu	FT11R Very Small HT

5:00 p.m.

Coaxial Dynamics	Model 81000-A Wattmeter plus Coupon for Element
Kachina Communications, Inc.	505AR Rotor Control, PC Card and Software
M2 Antenna Systems	440 HO
Optoelectronics	R11 Test Receiver
Svetlana Electron Devices	572B Power Tubes (pairs)
Yaesu	G-1000SDX Rotator

Saturday, May 15,1999

9:00 a.m.

Glen Martin Engineering	RT-424 4.5 foot 4 Leg Tower
Kenwood	TM-261A 2 meter Mobile
M2 Antenna Systems	2 M9SSB
Brothers, Co. Inc.	Utilimeter 800 Weather Station
Svetlana Electron Devices	572B Power Tubes (pairs)
Yaesu	G-5500 Azimuth Elevation Rotator

11:00 a.m.

Hal Communications	DXP38-HF Modem
Kenwood	TH-G71A 2m/440MHz Mobile
M2 Antenna Systems	440-18
Optoelectronics	R11 Test Receiver
Yaesu	MD100 Desk Top Mike
Yaesu	FT11R Very Small HT

1:00 p.m.

Alinco	DR-MO3 26 - 32 MHz Mobile Radio
Kenwood	TH-D7A 2 meter/440MHz with 1200/9600 baud TNC
MAXRAD	MYA4306 430 - 450 6 Element Yagi
Radio Shack	HTX 202 2 meter Handheld
Svetlana Electron Devices	572B Power Tubes (pairs)

3:00 p.m.

Heil Sound	Pro-Set 5 Headset
M2 Antenna Systems	2 meter HO
MCM Electronics	2 meter Amplifier 111-2100
Optoelectronics	R11 Test Receiver
Yaesu	MD100 Desk Top Mike
Yaesu	G-5500 Azimuth Elevation Rotator

Sunday, May 16,1999

9:00 a.m.

Alinco	DR-MO3 26 - 32 MHz Mobile Radio
Heil Sound	Pro Micro-5 Headset
Kenwood	TH-G71A 2m/440MHz Mobile
PALSTAR	AT300CLN Tuner
Svetlana Electron Devices	572B Power Tubes (pairs)
Yaesu	G-5500 Azimuth Elevation Rotator

11:00 a.m.

Hustler	G6-270R144/440 Dual VHF/UHF base station antenna
Kenwood	TM-261A 2 meter Mobile
M2 Antenna Systems	6 meter HO
Optoelectronics	R11 Test Receiver
Svetlana Electron Devices	572B Power Tubes (pairs)
Yaesu	FT11R Very Small HT

The Dayton Hamvention is proud to present an outstanding array of prizes for 1999. Our donors include both show exhibitors and companies associated with Amateur Radio.

Prizes will be awarded hourly from 12:00 P.M. Friday till 12:00 P.M. Sunday.

Additionally, bonus prizes will be awarded by-hourly from 1:00 P.M. Friday to 11:00 A.M. Sunday. Please check the monitors located throughout the complex for winning ticket numbers.

The drawing for the Main Prizes will begin at approximately 1:00 P.M. Sunday in the Main Arena. You do not have to be present to win at this prize drawing. Main Prizes not claimed will be shipped to the winner at no charge.

Main Prizes

- **Kenwood** TS-870S HF transceiver with voice synthesizer, digital recorder, low pass filter, HS-6 headphone, MC-60A desktop mike, PS-52 power supply, SP-31 external speaker, plus many other features.
- **Yaesu** FT1000MP - with Enhanced Digital Signal Processing, 100 watt power output, CW electronic keyer, built-in Collins SSB mechanical filter, plus many other features.
- **Icom** IC-756 HF and 6 meter transceiver - all mode, Including RTTY, 5-100 Variable Watts of Power (5-40 W on AM), 101 memory channels, plus many other features.
- **Icom** IC-746 HF, 6m, and 2m with IF-DSP, twin passband tuning, RF speech compressor, auto repeater duplex setting for 2 meters, plus many other features.
- **Kenwood** TM-742AD 2 meter/440MHz mobile, 101 memory channels & memory bank system, flexible scan and scan stop modes plus many other features.
- **Yaesu** FT600 - Multi-Purpose HF SSB Transceiver with 100 watts power output, front mounted speaker, PC programmable, plus many other features.
- **Yaesu** FT290RII - multi-mode 2 meter mobile transceiver.
- **Kenwood** TM-G707A 2 meter/440MHz mobile with 180 Multi-Function Memories, Microphone, 6 Pin mini DIN connector for packet and ARPS, PC programming software available for download (requires PG-4S cable) plus many other features.
- **Kenwood** TH-D7A HT with 1200/9600 baud TNC, 144/430 MHz operation, 200 memory channels, built-in APRS operating software plus many other features.
- **Icom** IC-T81A four band - 6m, 2m, 70cm, and 1.2GHz, hand held.

Special Banquet Prizes

A wide assortment of prizes will be given away at the 1999 Hamvention Banquet.
Winners must be present at the banquet to claim their prize.

Kenwood's TS-570S(G) HF station with DSP and 6 meters with 16-bit AF-stage DSP, built-in keyer, automatic antenna tuner, RCP-2 radio control program plus many other features.

Icom's IC-706MK2G - HF transceiver including 6m, 2m, and 70cm, DSP, tone encoder, auto repeater function, 107 memory channels plus many other features.

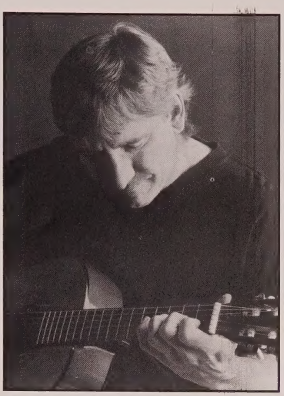
Alinco's DX70TH HF plus 6 meters, mobile/portable/base all mode transceiver with speech processor, two VFOs plus memory option, plus many other features.

Kenwood's TM-V7A 2 meter/440 MHz mobile with up to 280 multi-function memory channels, PC programming software available for download (requires PG-4S cable) plus many other features.

Icom's IC-2800H 2 meter mobile with 3" (diagonal) TFT color LCD display, 6-pin data port 9600bps data ready, CTCSS encode/decode, simple band scope, fast scanning, 232 memory channels plus many other features.

We are extremely pleased to have as our evening's entertainment, Joe Walsh WB6ACU.

Joe started with *The James Gang* where the trio was the opening act for *The Who.* Four albums later, Joe moved to Colorado to begin *Barnstorm.* From there he went solo until he was asked to join *The Eagles.* After selling millions and millions of albums, Joe went back to solo work where songs were contributed to movie soundtracks from *Fasttimes at Ridgemont High* and *Urban Cowboy* to the *Beverly Hillbillies* and *Robocop.* Then, back to recording with Winwood, Seger, Henley, Marx, Wilson, Philips, BB King, Ringo Starr and many, many more. All featured the distinctive Joe Walsh guitar. In 1994 *The Eagles* got back together again and *Hell Freezes Over* became the most successful tour in rock and roll history. The small screen was the next stop, voicing a character for *Duckman,* and guest starring roles in the CBS series *Promised Land* and on ABC's *Drew Carey Show.* And now, an enshrined member of The Rock and Roll Hall of Fame. All this while being very active on the ham bands.



Joe Walsh, WB6ACU

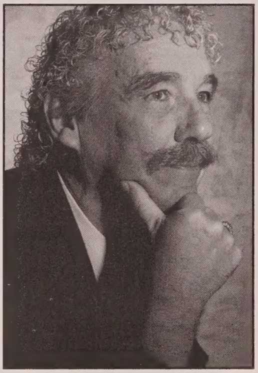
Richens/Timms Irish Dancers

The banquet also includes an Irish dance group. Each dancer has an authentic Gaelic costume in green, white and orange to represent the colors of the Irish flag. Unlike other dance forms, Irish dancing stresses footwork. The dance most often identified with the Irish is the jig, one of the oldest folk dances in the world.

Master of Ceremonies for the 1998 Hamvention Banquet is Dale Huffman.

Dale Huffman is a newspaper columnist, radio and television talk show host and media personality. Dale has interviewed George Burns, Carol Burnette, Sophia Loren, and Walter Cronkite. He has met five American presidents and has been a guest at The White House on a number of occasions. Former President George Bush designated him as our nation's One Thousand and First Point of Light. Dale is host of the "Dale in Dayton" talk show on radio and hosts "The Golden Years of Television" series on WRGT-TV. He is also the moderator for a weekly cable television talk show for the city of Dayton titled "Talk to City Hall".

Dale has over 300 awards to his credit, for his writing abilities and his volunteer community involvement. From Miami Valley schools, Dale has gathered 100 students who he is following from 1st through 12th grade, with graduation in the Year 2000. He serves as an honorary board member for over 20 area charity organizations.



Dale Huffman

The Hamvention Banquet will be held at the Nutter Center on Saturday evening with doors opening at 6:00 p.m. Dinner will be served beginning at 6:45. Concert seating **ONLY** (General admission) doors open at 7:45 p.m. Concert starts at 8:30 p.m. Bus service will be provided from the KOA campground only.

Banquet Menu

House salad w/choice of dressing
Grilled boneless breast of chicken w/Dijon sauce & filet medallion w/green peppercorn sauce
Twice baked potato Honey ginger carrots
Rolls & butter
Chocolate & vanilla mousse
Coffee, tea, ice water & iced tea

Vegetarian alternate choice is Vegetarian lasagna

Directions to the Nutter Center: Take I-675 to the North Fairfield exit. Turn north to the Nutter Center. See map on page 31.

Help us locate nominees for our Amateur of the Year, Special Achievement, and Technical Excellence Awards. Do you know an outstanding amateur in your club, community, or from on-the-air contacts? Does this person excel in some phase of amateur radio? Do you feel this person deserves world-wide recognition? All amateurs are eligible – Novice through Extra. Awards are selected by the awards committee based on the information received.

Documentation is beneficial. Magazine articles, newsletters, newspaper clippings, videos, etc. will better inform the awards committee of your candidate's accomplishments. These materials become the property of DARA and can not be returned.

AMATEUR OF THE YEAR

This is for the special person who has made a long term commitment to the advancement of amateur radio. We are looking for a well-rounded individual who has contributed to our hobby in some outstanding way.

SPECIAL ACHIEVEMENT

This is for the special person who has made an outstanding contribution to the advancement of amateur radio. This award is usually given to a respected amateur who spearheaded a single significant project.

TECHNICAL EXCELLENCE

This is for the person who has made an outstanding technical advancement in the field of amateur radio.

Name of nominee ____________ Call ____________

Address ____________

City ____________ State ____________ Zip ____________

Phone (   ) ____________ Amateur club affiliation ____________

How has this individual contributed to Amateur Radio ? ____________

____

____

____

____

What else do you know about this individual ? ____________

____

____

____

____

Your name (please print) ____________ Call ____________

Address ____________

City ____________ State ____________ Zip ____________

Phone: ☐ Day ☐ Evening (   ) ____________ Your Signature ____________

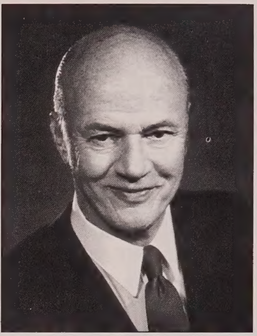
Send nomination to:

Hamvention Awards Chairman
Box 964
Dayton, OH 45401-0964

Please feel free to duplicate this form.

Amateur of the Year Award

Kenneth M. Miller, K6IR



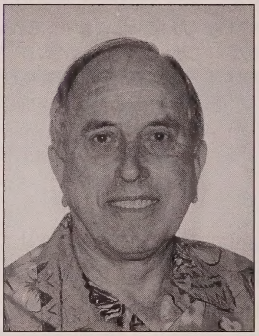
Kenneth M. Miller
K6IR

The year 2000 marks Ken's 60th licensed year of leadership, vision and dedication to Amateur Radio, which began when his father, a custom radio manufacturer, introduced Ken to the enchantment of amateur radio reception and transmission. For over two decades Ken has been a Director of the world's first radio communications society, The Radio Club of America, Inc., founded 90 years ago in 1909 with over 1000 worldwide members. Ken is also Chairman of its Grants-In-Aid Committee, which awards thousands of dollars in scholarship grants annually to amateur radio operators who are college students in need of financial assistance to pursue their education in communications.

Ken is an ARRL Life Member; an avid DXer, having operated from several countries; a HF contester and holder of the ARRL SSB DXCC #1 Honor Roll and CQ WAZ awards; and past President of the National Capitol DX Association.

Special Achievement Award

Paul D. Lieb, KH6HME



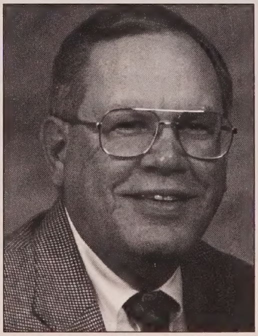
Paul D. Lieb
KH6HME

Paul has obtained worldwide distance records on eight Ham bands 144 Mhz thru 5,600 Mhz using tropospheric ducting super-refraction from his VHF/UHF and microwave beacons, located 8,200 feet up on the active volcano Mauna Loa, on the Island of Hawaii.

Paul takes great pride in working new Technician ham operators as well as old timers in a slow and orderly fashion so EVERYONE has an opportunity of making his log book from the state of Washington to the north spanning south into Mexico. He especially likes working with new hams who may just be learning about the extended range capabilities of 2 meters, 222, 432, and 1296 Mhz single sideband, weak-signal work. Occasionally he will switch to FM to give EVERYONE the thrill of long-haul 2700 mile VHF/UHF DX thru the phenomena of tropospheric ducting super-refraction.

Technical Excellence Award

Alfonso R. Torres, KP4AQI



Alfonso R. Torres
KP4AQI

Dr. Torres, has been a licensed amateur since 1960. His contributions to amateur radio include the design of a Universal Frequency digital readout unit, a device for charging ICOM H.T. batteries, a power line voltage monitor and the concept, design and development of the "through glass" antenna. He has recently developed (patent pending) a method to see RF radiation, which will hopefully be on the market within the next six months. He has designed and built numerous 2 meter FM repeaters, including units with multi-receiving sites and audio voting networks. Al is an adjunct professor at the University of Dayton, School of Engineering Management, and has presented many classes on RF, propagation, antennas and related topics for the Dayton Amateur Radio Association (DARA) and the Upper Valley Amateur Radio Club (UVARC). Al has been DARA President, Vice President, Planning Council Chairman, Trustee (Senior and Junior) in addition to being Technical Chairman for DARA for over 6 years.

Previous Amateur of the Year Award Winners

1955 - William C. Jenney, W8FYW; Westlake, OH
Benjamin S. Zieg, W9EHU, K4OQK; Atlanta,GA
1956 - Edmund C. Ryan, W8LRR; Mansfield, OH
1957 - Ralph Crammer, W8VHO; Columbus, OH
1958 - Rev. C. Lynn White, K4CC; Tavarres, FL
1959 - Harlow Lucas, W8QQ; Columbus, OH
1960 - Paul Wolfe, W8IVE; Cincinnati, OH
1961 - Ed Bonnet, W8OVG; Dayton, OH
1962 - Dana Cartwright, W8UPB; Cincinnati, OH
1963 - Chester Funk, K8EUF, K7ZKL; Phoenix, AZ
1964 - H. Ruble, W8PTF; Dayton, OH
1965 - Carl B. Snyder, W8ARW; Greenville, OH
1966 - Robert K. Caskey, W9DNQ; Indianapolis, IN
1967 - Jack Gray, W8JDV; Mason, OH
1968 - Elmer Schubert, W8ALW; Cincinnati, OH
1969 - Wayne Walters, W9DOG; Plainfield, IN
1970 - Kay Anderson, W8DUV; Huntington, WV
1971 - Al Michel, W8WC; Cincinnati, OH
1972 - Don C. Miller, W9NTP; Waldron, IN
1973 - Ray E. Myers, W6MLZ; San Gabriel, CA
1974 - Barry Goldwater, K7UGA; Scottsdale, AZ
1975 - Richard A. Daniels, WA4DGU; Arlington, VA
1976 - Joseph M. Hertzberg, N3EA; Bryn Mawr, PA
1977 - Rafael M. Estevez, WA4ZZG; Hialeah, FL
1978 - Frank Schwab, W8OK; Dayton, OH
1979 - George G. Batterson, W2GB; Rochester, NY
1980 - Wayne Overbeck, N6NB; Woodland Hills, CA
1981 - Eric C Shalkhauser, W9CI; Washington, IL
1982 - Robert G. Heil, Jr., K9EID; Marissa, IL
1983 - Katashi Nose, KH6IJ; Honolulu, HI
1984 - Dave L. Bell, W6AQ; Los Angeles, CA
1985 - John J. Willig, W8ACE; Sarasota, FL
1986 - Roy Neal, K6DUE; Woodlawn Hill, CA
1987 - Carole Perry, WB2MGP; Staten Island, NY
1988 - Bill Bennett, W7PHO; Seattle, WA
1989 - Bill Pasternak, WA6ITF; Saugus, CA
1990 - Stephen Mendelsohn; WA2DHF; Dumont, NJ
1991- John B. Johnston, W3BE; Derwood, MD
1992 - Richard Baldwin, W1RU; Waldoboro, ME
1993 - Harry Dannals, W2HD; Charlottesville, VA
1994 - Perry Williams, W1UED; Unionville, CT
1995 - Rosalie White, WA1STO; Newington, CT
1996 - William A. Tynan, Kerryville, TX
1997 - Leo I. Myerson, W0GFQ, Omaha, NE
1998 - Andrew J. Feldman, WB2FXN, Coram, NY

Previous Special Achievement Award Winners

1977 - South American Moonbounce (EME) Expedition Team of the Mt. Airy VHF Radio Club Inc., Philadelphia, PA
  Elliott Weisman, K3JJZ
  Anthony Sousa, W3HMU
  S. William Olsan, W3HQT
  Walter Bohlman, K3BPP
  Daniel Mitten, WA3NFU
  Socrates Martinez, WB3AFY
  Bolmar Aguilar, WB3AOP
1978 - Ronald Moorefield, W8ILC
1979 - Edward Tilton, W1HDQ
1980 - Joseph Merdler N6AHU
1981 - Bill Pasternak, WA6ITF
Bill Orenstein, KH6IAF
1982 - Bruce Humphrys, K0HR
1983 - Lenore Jensen, W6NAZ
1984 - Ethel Smith, K4LMB
1985 - Judith Frye, KG8P
1986 - Rev. Michael Mullen, C.M., WB2GQW
1987 - Arthur Gentry, W6MEP
1988 - Fred Hammond, VE3HC
1989 - Phil Karn, KA9Q
1990 - Paul Thomson, KC0VG
1991 - Nate Brightman, K6OSC
1992 - Ned Raub, W1RAN
1993 - Robert Adams, WA9ZMO
1994 - Russ Kroeker, N7HGE
1995 - Ed Briner, WA3TVG
1996 - John Kraus, W8JK
1997 - Joseph J. Fairclough, WB8JKJ
1998 - John B. Bellows, Jr., K0QB

Previous Technical Excellence Award Winners

1984 - Lyle Johnson, WA7GXD
1985 - Richard Whiting, W0TN
1986 - M. F. (Doug) DeMaw, W1FB
1987 - Henry (Hank) Oredson, W0RLI
1988 - Lew McCoy, W1ICP
1989 - Byron Goodman, W1DX
1990 - Bob McGwier, N4HY
1991 - Lou McFadin, W5DID
1992 - Gerald Cromer, K4NHN
1993 - Dick Jansson, WD4FAB
1994 - Dick Newell, AK1A
1995 - Philip Ferrell, K7PF
1996 - William Orr, W6SAI
1997 - Al Ward, W85LUA
1998 - Robert E. Bruninga, WB4APR

Since 1984, the Dayton Amateur Radio Association has been able to assist young amateurs heading to college by awarding scholarships. In 1998 nine students received $16,000 toward tuition at the school of their choice. The program is open nationwide to any FCC licensed amateur radio operator graduating from high school in the year the award is given. There are no restrictions on class of license of course of study. Scholarship applications for 1999 are available at the DARA Booth (Booth #1). The 1998 scholarship recipients are:

James P. Horn, KB8HIP of Kenton, Ohio is the recipient of the Robert F. Zimmerman Memorial Scholarship. James holds a General Class license and attends the University of Toledo majoring in mechanical engineering.

Michael Gossenauer, N0UNY of Aurora, Colorado. Michael holds a Technician class license and attends the University of Colorado majoring in biology and pre-medicine.

Adam F. Henry, KC8DDO of Mt. Sterling, Ohio is the recipient of the Charles G. Fry Memorial Scholarship. Adam holds a Technician class license and attends DeVry Institute of Technology majoring in electronics.

Brian P. Letendre, KE6IRJ of Big Bear City, California. Brian holds a Technician class license and attends Embry-Riddle Aeronautical University majoring in aeronautical science. He has been awarded the L.T. Jones Memorial Scholarship.

Colleen A. Loeffler, KB8QGX of Medina, Ohio. Colleen holds a Technician Plus license and attends the University of Akron majoring in elementary education.

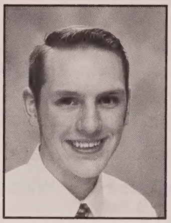
Jessica S. Reinhardt, KD6ARA, of Agoura Hills, California is the recipient of the Dave Beam Memorial Scholarship. Jessica holds a General class license and attends Sonoma State University majoring in communications.

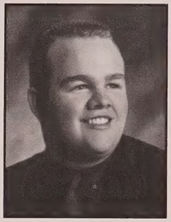
Melissa Schweikhart, KB8EPO, of Springboro, Ohio is the recipient of the John Willig Scholarship. Melissa holds a Technician class license and attends Vanderbilt University majoring in biology and pre-medicine

David L. Sellars, N8WAE of Perrysburg, Ohio is the recipient of the Frank Schwab Scholarship. David holds a Technician Plus license and attends Southwest Missouri State University majoring in computer science.

Erin M. Swaney, N3MGY of Mifflinburg, Pennsylvania. Erin holds a Technician class license and attends Indiana University majoring in chemistry.

James
KB8HIP


Michael
N0UNY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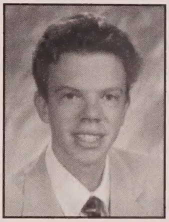
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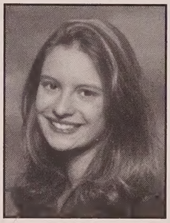
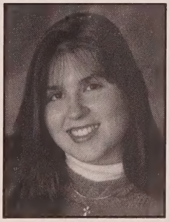
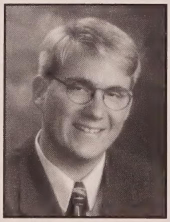
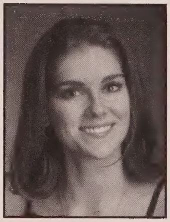
KE6IRJ


Colleen
KB8QGX

Jessica
KD6ARA


Melissa
KB8EPO


David
N8WAE


Erin
N3MGY

Entries for 1999 scholarships must be received by June 1 with winners announce on or about June 15. Information and application forms are available at the DARA Booth (Booth #1) or write to:

DARA Scholarship Program
45 Cinnamon Court
Springboro, OH 45066-1000

FRIDAY, MAY 14

8:15 - 9:45 PACTOR **(SESSION # HF-1)** .... Room 1

Moderator: Phil Sussman N8PS

Speaker: Dr. Thomas Rink DL2FAK — The new PSK-31 narrowband digital mode and its incorporation into the PACTOR-2 controller as a new mode. New horizons and advancements on PACTOR.

PACTOR question and answer session.

8:15 - 9:00 Collins Forum **(SESSION # HF-2)** .... Room 3

Moderator: David Knepper W3ST, publisher of the "Collins Journal"

Speakers: William Noonan W6WJN and David Knepper W3ST — "An in-depth technical discussion of the finer points of restoring Collins amateur radio equipment" Collins reproduction equipment and parts will be on display.

Rod Blocksome K0DAS and William Noonan W6WJN — "Panel Members"

8:45 - 10:15 QRP ARCI Forum **(SESSION # HF-3)** .... Room 2

Moderator: Kenneth W Evans W4DU

Speakers: George Dobbs G3RJV, QRP — "Construction"
George Heron N2AP — "Why QRP"
Jim Stafford W4QO — "QRP Clubs and Activities"

9:15 - 10:15 RF Safety **(SESSION # HF-4)** .... Room 3

Moderator: Gregory D. Lapin Ph.D., PE, N9GL of ComBioMed Laboratories, Chairman of ARRL RF Safety Committee

Speaker: Edward F. Hare Jr. W1RFI, ARRL Laboratory Director and author of "RF Safety and You" — "Why Should We Be Concerned with RF Safety?"

10:00 - 1:45 TAPR/Digital Packet **(SESSION # HF-5)** .... Room 1

Moderator: John Ackermann N8UR

Speakers: Greg Jones WD5IVD — "TAPR Update"
John Ackermann N8UR — "Linux and JNOS AX 25 Updates"
Steve Bible N7HPR — "PIC Development Update"
John Hansen — "PIC Development Update"
Steve Bible N7HPR — "GPS Projects"
John Koster W9DDD — "Compact Flash Card Project"
Steve Dimse K4HG and Stan Horzape, WA1LOU — "TAPR APRS News"
Tom McDermott N5EG — "FHSS Radio Project"

10:30 - 11:45 Techniques of the Best Operators **(SESSION # HF-6)** .... Room 2

Moderator: Mitch Stern W1SJ

Speakers: Mitch Stern W1SJ — "Techniques to Maximize Ham Radio Fun," "Improve Your Repeater Operating Skills," "Make your Equipment Work For You" and "Improve Your Skills by Contesting"

Anthony Pazzola WB2BEJ — "Emergency Communications Techniques"

10:30 - 11:30 Spectrum Management (**SESSION # HF-7**) .... Room 3

Moderator: Fred Matos W3ICM

Speakers: Larry Price W4RA — "Status of the Radio Amateur Radio Service in International Fora"

Paul Rinaldo W4RI — "The Amateur Service, the ITU and upcoming Radio Conferences (Do we get more bands?)"

11:45 - 12:45 FCC Enforcement (**SESSION # HF-8**) .... Room 3

Moderator: Riley Hollingsworth K4ZDH of the FCC

Topics: "Responsibilities of Amateur Radio Operators" and "Amateur Radio at the Millenium — Take Nothing for Granted"

12:00 - 1:45 Teacher's Workshop (**SESSION # HF-9**) .... Room 2

Moderator: Carole Perry WB2MGP, "Hints to Motivate a Ham Radio Class"

Topics: Dave Bell W6AQ — "Using the DX Experience in the Classroom"
Bob Heil K9EID — "How to Teach Kids in A Fun Way"
Bill Pasternak WA6ITF — "The Threat of the Internet"
ARRL Representative — "How the ARRL Can Help the Teacher"
Richard Sandell WK6R — "Recruiting Ideas at the College Level"
Byron Berger KF8UN — "Outline of Teaching Ideas for Radio"

1:00 - 1:45 YLRL (**SESSION # HF-10**) .... Room 3

Moderator: Kay Eyman WA0WOF

Speakers: Nancy Rabel Hall KC4IYD, President of YLRL — Updates on current YLRL activities; information on the 60th YLRL Convention on the Queen Mary in July and the world-wide YL meeting in New Zealand in the year 2000; tips on getting YL activities publicized; and details on the many YL certificates that are available

2:00 - 5:00 Antenna Technology (**SESSION # HF-11**) .... Room 1

Moderator: Tim Duffy K3LR

Speakers: Jay Terleski WX0B — "A Short Study Of Some Features Of Phased Yagi Arrays"
Kurt Andress K7NV — "Yagi Mechanical Design for Everyone"
Goose Steingass W8AV — "The 80 Meter Triangle Antenna"
Steve Morris K7LXC — "Tribander Comparison Test Results, Chapter 2"
John Devoldere ON4UN — "New Ideas from the New Low Band DX'ing Book"

2:00 - 2:45 Automatic Mobile Antenna Tuners (**SESSION # HF-12**) .... Room 2

Moderator: Gordon West WB6NOA

2:00 - 3:45 Kit Building (**SESSION # HF-13**) .... Room 3

Moderator: Joe Eisenberg WA0WRI

Speakers: Tom Salvetti KC3NF of Ten-Tec, Bill Kelsey N8ET of Kanga Products, John Ramsey N2HWA of Ramsey Electronics and James Cecchin of Elenco Corp.

Synopsis: "Easy to build kits," "How to choose the right tools — guidance for the first timer," and "What can be picked up at the Hamvention"

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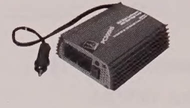

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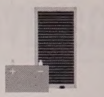

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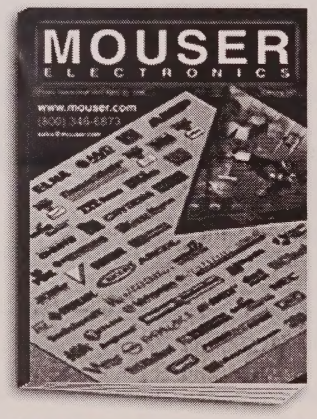

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3:00 - 5:00 County Hunters **(SESSION # HF-14)** .... Room 2

Moderator: John Sebastian N8BGF

Speakers: Roger Purdy N2NWL — "MARAC County Hunting Awards"
Bob Voss N4CD
John Sebastian N8BGF — "Moderator and Computers and County Hunting"

Note: County Hunters will meet at the Old Country Buffet on Salem Avenue, just north of the Salem Mall on Friday, May 14 from 5:00 to 6:00+.

4:00 - 5:00 Ham Radio and the Internet **(SESSION # HF-15)** .... Room 3

Moderator: Michael Crestohl W1RC

Speakers: Jack G.F. Hill W4KH — "E-Mail and Mailing Lists"

Kirk G. Baxter W0KGB — "SYSOP, The A*C*E Bulletin Board," "Internet News"

SATURDAY, MAY 15

8:15 - 10:15 FOX HUNTERS **(SESSION # HS-1)** .... Room 1

Moderators: Dick Arnett WB4SUV and Bob Frey WA6EZV

Speakers: Joe Moell K0OV, "73 Magazine" columnist and author of "The Transmitter Hunting Handbook"
Dale Hunt WB6BYU and team members, team leader for the first USA contingent to the International ARDF competition
Joe Leggio WB2HOL, designer of Fox Hunting Equipment

There will be a Transmitter Hunt beginning at 2:00 p.m. Details of the hunt will be available at the 8:15 a.m. Fox Hunt Forum and also at the Hamvention Prize Booth beginning at noon Saturday. Prizes will be awarded. Bulky transmitter hunting equipment such as antennas may be stored Saturday prior to the hunt in the Baggage Check Room. (See page 20 for location.) Hunt ends at approximately 4:00 p.m.

8:15 - 9:15 ARES **(SESSION # HS-2)** .... Room 2

Moderator: Larry Solak WD8MPV, ARRL Section Emergency Coordinator of Ohio

Subject: Y2K Problem in Ohio

8:15 - 10:30 AMSAT **(SESSION # HS-3)** .... Room 3

Moderator: Robin Haighton VE3FRH, Executive Vice President of AMAST-N.A.

Speakers: Keith Baker KB1SF, President of AMSAT-N.A. — "Welcome"

Barry Baines WD4ASW, AMSAT Vice President of Field Operations — "Getting started on the Amateur Radio Satellites"

Dr. Karl Meinzer DJ4ZC, President of AMSAT-Germany and P3-D Project — "Phase 3-D Spacecraft Status and Launch Prospects"

Keith Baker KB1SF, President of AMSAT-N.A.

Lou McFadin W5DID, Phase 3-D Integration Laboratory Manager — "Leaders"

Roy Neal K6DUE, Chairman of SAREX Working Group

Don Thomas, NASA Astronaut

Frank Bauer KA3HDO, AMAST-N.A. Vice President, Human Spaceflight
"SAREX and the International Space Station:Working Reports and plans:"
Matt Bordelon KC5BTL, SARIX/ISS Principal Investigator
Rosalie White WA1STO, Director of ARRL Educational Activities — "Programs"

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4CX1500A	EI	Call
4CX1500B	EI	Call
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9:00 - 12:45 Contesting **(SESSION # MS-4)** .... MHS Auditorium

Moderator: Doug Grant K1DG

Speakers:
Jeff Briggs K1ZM
John Crovelli W2GD
Tom Rauch W8JI — "The 1998 CQ 160 Contest Multiop Shootout"
Dan Henderson N1ND — "Recent Changes at the ARRL Contest Branch"
Paul Young K1XM/V63X — "1998 CQWW CW Expedition to Micronesia"
Ken Silverman K2KW/6Y2A — "Planning a Successful Multi-Multi Contest Expedition"
Jim Neiger N6TJ/ZD8Z — "Contesting from Ascension Island, Garden Spot of the South Atlantic Ocean"
Peter Casier ON6TT/5X1T — "Out of Africa:The Forgotten Multipliers"

9:30 - 12:45 VHF/UHF/Microwave **(SESSION # HS-5)** .... Room 2

Moderator: Merle Rummel W9LCE and Red Dakin W8ULC

Sponsored by: Midwest VHF/UHF Society

Speakers:

Joel Harrison W5ZN, Ultrasonic Imaging Engineer and ARRL Vice President — "10 GHz-24 GHz: Dual Band Antenna, Transverter"

Paul Wade N1BWT, Computer, Microwave Engineer for Compaq Computer Co. — "10 GHz: It's Getting Easier"

Doug Smith KF6DX, Engineer of Kachina 505DSP Receiver, "QEX Magazine '98" — "IF-DSP for the Home Brewer"

Ed Krome K9EK, Engineer and Manager for Rockwell Automation, Akron Distinguished Corporate Inventor, author — "Construction Techniques for Microwave Transmitter Cavities"

Dave Olean, K1WHS, Engineer and owner of Directive Systems, EME "The Maine Monster, 1980 — "An Aurora Detector"

10:00 - 11:30 Combined MARS Forum **(SESSION # MS-18)** .... look for signs at MHS

Moderator: Ray Collins AGA3C, Chief AF MARS

Speakers:

Robert S. Sutton N7UZY, AAA9A — "The Transmitter Hunting Handbook,"

Bo Lindfors N2APH, NNN0ASA

Loamie O. Mc Ilwaine N4WJO is the keynote speaker. Chief of Technical Services Division Air Force Frequency Management Agency

10:30 - 11:30 Handi-Hams **(SESSION # HS-6)** .... Room 1

Speaker: Jim Hammock KI0DN — "Disabilities and Amateur Radio Testing"

10:45 - 11:45 Drake and Antique Tube Forum **(SESSION # HS-7)** .... Room 3

Moderators: Don Spillman W8NS, Danny Scharder WA4SDE, John Mullenix N8GCP and Jack Giehi WB8BFS

Speakers:

Sindre Torp LA6OP, worlds largest collector of Drake equipment — slide presentation

Bill Frost WD8DFP, Service Manager for R.L.Drake Company Operations

Riley Hollingsworth K4ZDH of the Federal Communications Commission

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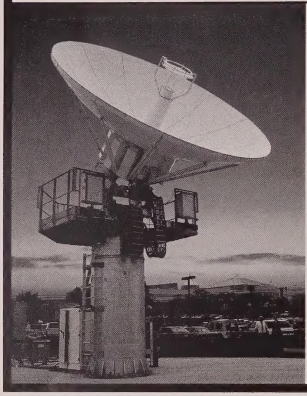

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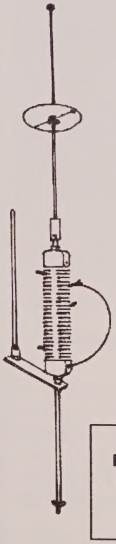

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11:45 - 1:45 SSTV **(SESSION # HS-8)** .... Room 1

Moderator: Don Miller W9NTP

Speakers: Dr. Ralph Taggart WB8DQT — “Evaluating Features and Performance of Windows-Based SSTV Software”
Mike Tallent W6MXV — “SSTV Hardware Development During the Early Years”
Dr. Robert Suding W0LMD — “When SSTV Was King at the Dayton Hamvention”

12:00 - 12:45 National Frequency Coordinators **(SESSION # HS-9)** .... Room 3

Moderator: George Isley W9GIG, NFCC President

Speakers: Whitman Brown WB0CJX, David Shiplett AC4MU and Owen Wormser K6LEW

Topic: “Is Mandatory Repeater Coordination Needed Now?”

1:00 - 2:45 Youth in Amateur Radio **(SESSION # HS-10)** .... Room 2

Moderator: Carole Perry WB2MGP

Speakers: Sarah Wisotzkey KB0ZRV, age 13 of Lafayette, Colorado
Tyler Jefferson Dean KB0SHT, age 15 of Lafayette, Colorado
Walt Schlender KC0BPC, age 15 of Boulder, Colorado
Richard Paczkowski KF4BIA, age 17 of Edgewater, Florida
Casey Morton AA8HH, age 17 of Cincinnati, Ohio
Big radio prizes will be awarded — must be present to win.

1:00 - 1:45 Code Tricks **(SESSION # HS-11)** .... Room 3

Moderator: Gordon West WB6NOA

1:00 - 4:00 Weather Satellite Forum **(SESSION # MS-18)** .... look for signs at MHS

Moderator: Stephen C. Padar

Speakers: Stephen Padar — “GVAR, Digital High Resolution and GOES Imagery”
Dave Cawley — “The Remote Imaging Group and the WSAT”
Wayne Winston and Grant Zehr

1:00 - 5:00 DX Forum **(SESSION # MS-12)** .... MHS Auditorium

Moderator: Steve Bolia, N8BJQ

Speakers: George Wagner K5KG and Karl Gratezer HB9JAI — “The DX-pedition to St. Brandon, 3B7RF, Story and Slides”
Jim Moore WU3V — “AR Cluster”
W6WE/K2WE and 3W6LK/W2LK — “Return to Vietnam After 30 Years”
Ken Holdom ZL2HU and Lee Jennings ZL2AL — “ZL9CI”
Samuel Tharrell N4XP — “Another Day in Paradise, V7 Kwajalien Atoll”
Wayne Mills N7NG — “DXCC 2000”

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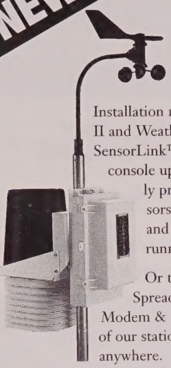

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- 2M4
- 2M7
- 2M9SSB/2M9FM *
- 2M12
- 2M5WL *
- 2M18XXX *

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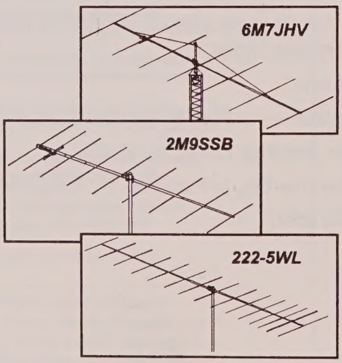
- 222-7EZ
- 222-10EZ *
- 222-5WL *
- 222-7WL *



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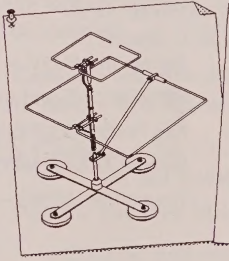

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2:00 - 4:00 ATV Fast Scan Television **(SESSION # HS-13)** .... Room 1

Moderator: Bill Parker W8DMR

Speakers: Tom O'Hara W6ORG, CEO of P-C Electronics — "Spectrum Management for UHF and Microwave ATV"

John Jaminet W3HMS, President of ATNA — "Amateur Television of North America"

Chris Oesterling N8UDK of Intuitive Circuits — "ATV 70 CM in Remote Controlled Blimp"

Jeff Basting N8QPJ — "ATV 2.4 GHZ in Remote Controlled Car"

Synopsis: Fast Scan Amateur Television employing high technology CCD color cameras, microwave FM phase locked loop transmitters and computer generated superimposed alpha-numerics.

2:00 - 4:00 ARRL Media **(SESSION # HS-14)** .... Room 3

Moderators: Steve Mansfield N1MZA and David Bell W6AQ

Speakers: David Bell W6AQ, Steve Mansfield N1MZA, Jeff Reinhardt AA6JR, David Greer N4KZ, Dennis McAlpine K2SX, Dick Stein K2ZR, Mel Granick KS2G, Rich Moseson W2VU, Rosalie White WA1STO and Roy Neal K6DUE

3:00 - 5:00 Ham Radio Town Hall Meeting Live **(SESSION # HS-15)** .... Room 2

Moderator: Bill Pasternak WA6ITF — "A Live to the Internet Discussion of Amateur Radio in the year 2000 and Beyond"

Speakers: Rich Moseson W2VU, Editor of "CQ VHF Magazine" — "Will Ham Radio Exist Past the Year 2000?"
Henry R Feinberg K2SSQ, Science Interpreter and Consultant — "Communications Technology: New and Old"
Stephen Mendelsohn W2ML of ABC Television and ARRL First Vice President — "Ham Radio vs. The World Wide Web, The Big Debate"
Roy Neal K6DUE, NBC Television (retired) — "Ham Radio in Space and the International Space Station"
Gordon West WB6NOA of Gordon West's Radio School — "The 21st Century Ham Station — What will it look like?"
Greg Jones WD5ID — "Live Internet Audio and The Tucson Amateur Packet Radio"

4:15 - 5:00 10/10 International **(SESSION # HS-16)** .... Room 1

Moderators: Tom Henderson K4CIH, #33233 President of 10-10 International

Speaker: Keith Schlottman KR7RK, #63324 Treasurer of 10-10 International — "10-10 Y2K and Beyond"

4:15 - 5:00 Firebirds **(SESSION # HS-17)** .... Room 3

Speakers: Verle Winningham K8VW and Denny Simmons N8XLS

Topic: The status of the Firebird Amateur Radio Club

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YLRL Forum:
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Room 3, 1:00 p.m.

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SUNDAY, MAY 16

8:45 - 9:45 ARRL **(SESSION # HSU-1)** .... Room 1

Moderator: Dave Coons WT8W, ARRL Great Lakes Division Director

Speakers: Rodney Stafford W6ROD, ARRL President
David Sumner K1ZZ, ARRL Executive Vice President

8:45 - 9:45 Bicycle Hams (BMHA) **(SESSION # HSU-2)** .... Room 2

Moderator: Mike Nickolaus NF0N

Speakers: Hartley Alley NA0A
Jean Alley N0EOX — "BMHA Newsletter and Announcements"
Barbara Anderson N9XSS — "You Need What?"
Hilly Hundred Communications — "It's not the medical emergencies, it's the 1001 other things"
Stu Sherfick W9HRZ — "Beyond 2-Meters"
Dave Gerbig WB9MZL — "A Rubber Ducky Just Doesn't Cut It"
Jim Gumbert NC8Y — "BMHA Bike Tour"

9:00 - 11:00 FCC **(SESSION # HSU-3)** .... Room 3

Moderator: Riley Hollingsworth K4ZDH of the FCC

Speakers: Riley Hollingsworth K4ZDH — "FCC Enforcement"
Bill Cross W3TN — "FCC Rulemaking"

10:15 - 11:00 The Ohio Single Sideband Net Update (OSSBN) **(SESSION # HSU-4)** .... Room 1

Moderator: John Lahman WA8MHO — "Panel Discussion"

10:15 - 11:15 Listener's Forum **(SESSION # HSU-5)** .... Room 2

Moderator: Mike Schulsinger N8QHV

Speakers: Andrew Yoder, editor of "Hobby Broadcasting Magazine"
Rich Barnett, editor of "Police Call"

11:15 - 12:15 Amplitude Modulation **(SESSION # HSU-6)** .... Room 1

Moderator: Dale Gagnon KW1L

Topics:

1. AM international update and current issues and operating events.
2. The Buffalo AM Triangle — AM is alive and well in Western New York. Enjoy a pictorial program illustrating the sizable group of amateurs who are restoring classic amateur transmitters, building impressive homebrew projects, converting broadcast transmitters and mixing it with a lot of social interaction and fun.

Speakers: Bruce J. Howes KG1C
Thomas E. Schaer W2KBW

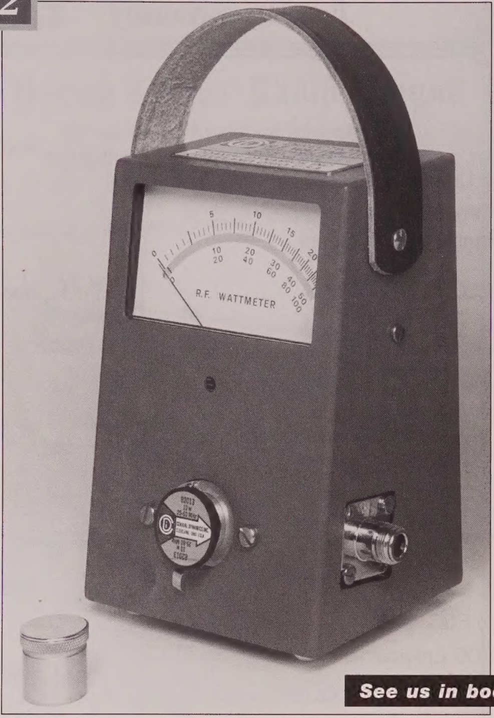
11:15 - 12:15 RF Safety **(SESSION # HSU-7)** .... Room 2

Moderator: Gregory D. Lapin Ph.D., PE, N9GL of ComBioMed Laboratories — Chairman of ARRL RF Safety Committee

Speaker: Edward F. Hare Jr. W1RFI, the ARRL Laboratory Director and author of "RF Safety and You" — "How to Make Your Station RF Safe and Comply with the New FCC Regulations While You're At It!"

11:15 - 12:45 Amateur Radio and the Law **(SESSION # HSU-8)** .... Room 3

Speaker: Jim O'Connell W9WU



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1999 Hamvention Forums Schedule

FRIDAY, MAY 14

TIME	ROOM 1	ROOM 2	ROOM 3
9:00 a.m. 10:00 a.m. 11:00 a.m. NOON 1:00 p.m. 2:00 p.m. 3:00 p.m. 4:00 p.m. 5:00 p.m.	Pactor 8:15-9:45 TAPR/Digital Packet 10:00-1:45 Antenna Technology 2:00-5:00	QRP 8:45-10:15 Techniques of the best operators 10:30-11:45 Teacher's Workshop 12:00-1:45 Auto. Mobile Tuners County Hunters 3:00-5:00	Collins 8:15-9:00 R.F. Safety 9:15-10:15 Spectrum Management 10:30-11:30 FCC Enforcement 11:45-12:45 YLRL 1:00-1:45 Kit Building 2:00-3:45 Ham Radio & the Internet 4:00-5:00

SATURDAY, MAY 15

ROOM 1	ROOM 2	ROOM 3	MHS Auditorium	MHS
Fox Hunters 8:15-10:15 Handi-Hams 10:30-11:30 SSTV 11:45-1:45 ATV 2:00-4:00 10/10 Internat. 4:15-5:00	ARES 8:15-9:15 VHF/UHF 9:30-12:45 Youth in Amateur Radio 1:00-2:45 Ham Radio Town Hall Meeting 3:00-5:00	AMSAT 8:15-10:30 Drake 10:45-11:45 Nat. Freq. Coord. 12:00-12:45 Code Tricks 1:00-1:45 ARRL Media Relations 2:00-4:00 Firebirds 4:15-5:00	Contesting 9:00-12:45 DX 1:00-5:00	MARS 10:00-11:30 Weather Satellite 1:00-4:00

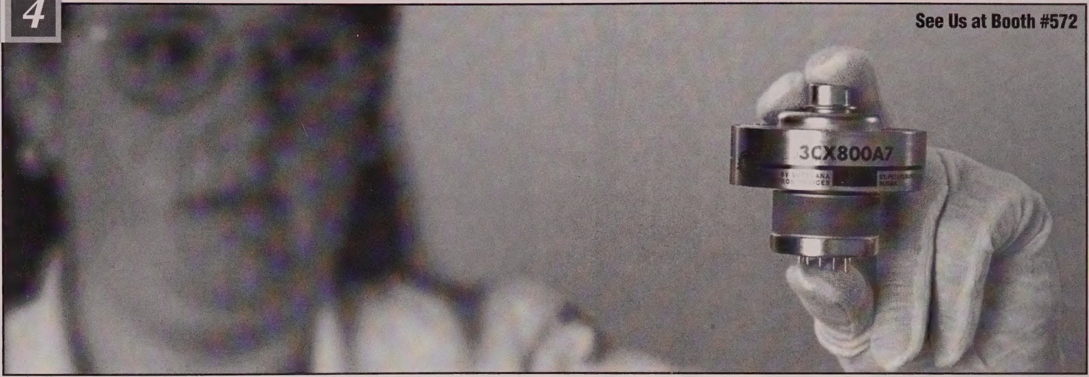
SUNDAY, MAY 16

ROOM 1	ROOM 2	ROOM 3
ARRL 8:45-9:45 OSSBN 10:00-11:00 AM 11:15-12:15	Bicycle Hams 8:45-9:45 Listener's Forum 10:00-11:00 R.F. Safety 11:15-12:15	FCC Forum Enforcement and Rulemaking 9:00-11:00 Amateur Radio & the Law 11:15-12:45

Legend:
- Rooms 1, 2 and 3 are located within the Hara Conference Center. See Exhibitor's Booth Location Map on pages 20 and 21.
- MHS Auditorium is located at Meadowdale High School, 4417 Williamson St. See the Dayton Area Map on page 31. Follow the signs for the MARS and Weather Satellite forums.

1999 Hamvention Forums Schedule

See Us at Booth #572



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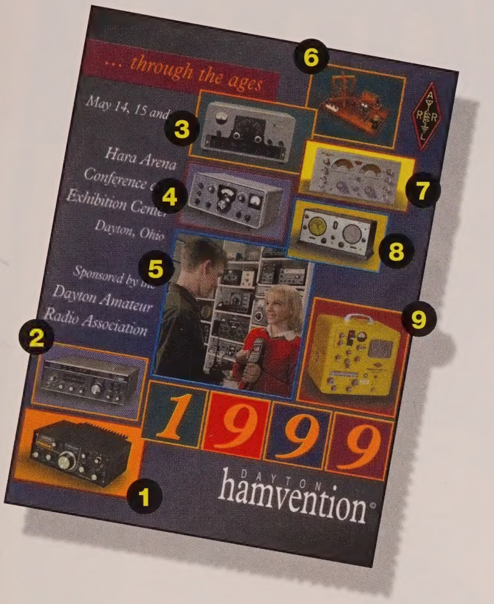
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The equipment shown on the cover is as follows: **1** — Atlas 215X circa 1975, **2** — Drake TR-7 circa 1978, and **3** — Johnson Viking Valiant circa 1956, courtesy of Herman Cone, N4CH. **4** — Collins 75S-3 circa 1961, courtesy of Paul Katz, W5NTQ. **5** — Kenwood VC-H1 Video Communicator circa 1999, courtesy of Kenwood Communications Corp. **6** — Spark Transmitter (homebrew) circa 1918, courtesy of the Alabama Historical Radio Society. **7** — National NC-173 circa 1947, courtesy of Herman Cone, N4CH. **8** — Hallicrafters S-6 circa 1935, courtesy of Robert Enemark, W1EC. **9** — Gonset Communicator III circa 1957, courtesy of Herman Cone, N4CH. Modeling for photo **5** are Daniel Clark, KF4PWP and Denise Dease, KF4KHV. Photography is by Joe Veras, N4QB. Joe is the photographer for the CQ Radio Classics Calendar which is available at the CQ communications, Inc. Booth # 578. Thanks to the hams who supplied the equipment used in this photographic glance at amateur radio's past. Thanks to Kenwood Communications Corp. for a look toward its future. Thanks to Daniel and Denise — it is to them and their generation that the future belongs.

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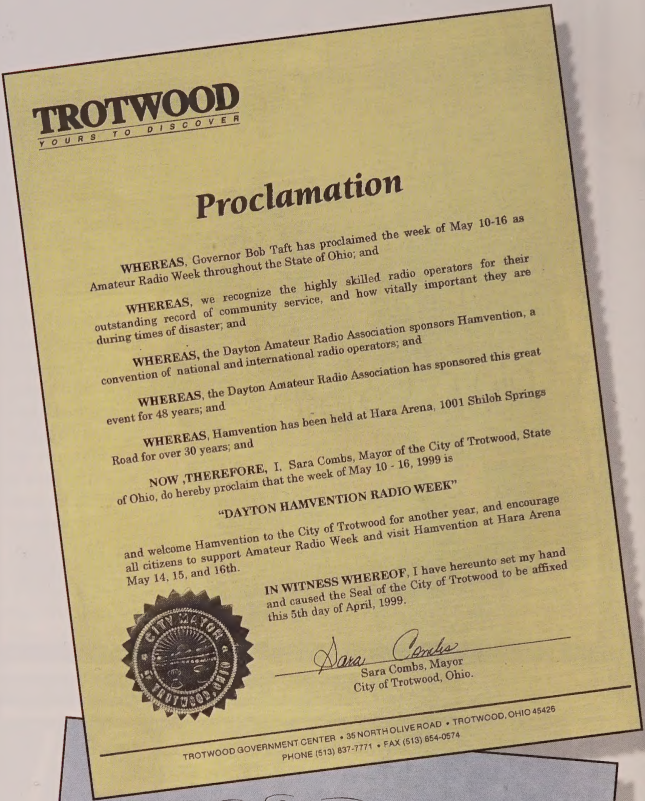

TROTWOOD
YOURS TO DISCOVER

Proclamation

WHEREAS, Governor Bob Taft has proclaimed the week of May 10-16 as Amateur Radio Week throughout the State of Ohio; and

WHEREAS, we recognize the highly skilled radio operators for their outstanding record of community service, and how vitally important they are during times of disaster; and

WHEREAS, the Dayton Amateur Radio Association sponsors Hamvention, a convention of national and international radio operators; and

WHEREAS, the Dayton Amateur Radio Association has sponsored this great event for 48 years; and

WHEREAS, Hamvention has been held at Hara Arena, 1001 Shiloh Springs Road for over 30 years; and

NOW ,THEREFORE, I, Sara Combs, Mayor of the City of Trotwood, State of Ohio, do hereby proclaim that the week of May 10 - 16, 1999 is

"DAYTON HAMVENTION RADIO WEEK"

and welcome Hamvention to the City of Trotwood for another year, and encourage all citizens to support Amateur Radio Week and visit Hamvention at Hara Arena May 14, 15, and 16th.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Seal of the City of Trotwood to be affixed this 5th day of April, 1999.

Sara Combs
Sara Combs, Mayor
City of Trotwood, Ohio.

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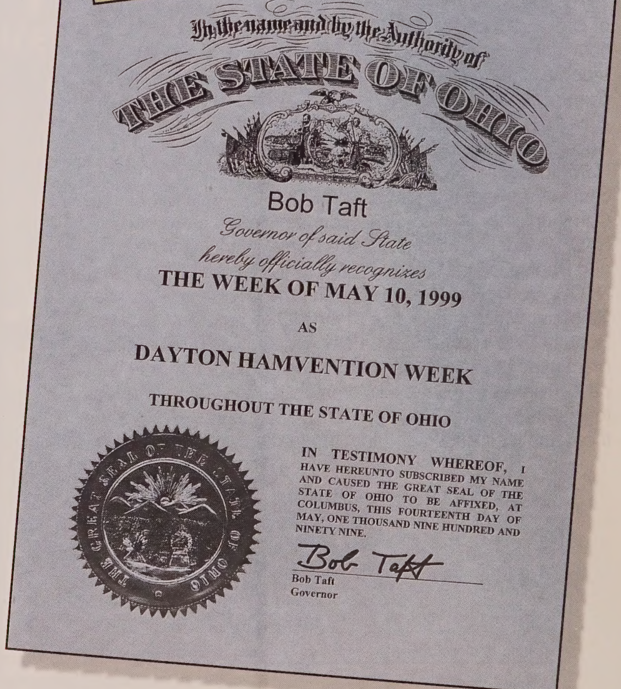

In the name and by the Authority of
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Bob Taft
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THROUGHOUT THE STATE OF OHIO

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